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**FINAL REPORT FOR REMEDIATION OF LOCATIONS
IN GRANITE CITY, MADISON, AND VENICE, ILLINOIS
ASSOCIATED WITH NL INDUSTRIES/TARACORP
SUPERFUND SITE**

**PRE-PLACED CONTRACT NO.
DACA45-96-D-0014
DELIVERY ORDER NO. 0005**

Submitted by:

**OHM Remediation Services Corp.
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Project 19531**

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1.0 INTRODUCTION

The United States Army Corps of Engineers (USACE) tasked OHM Remediation Services Corp. (OHM), a wholly owned subsidiary of OHM Corporation, under the Pre-Placed Contract No. DACA45-96-D-0014, Delivery Order (DO) No. 005, to perform remediation of Stack Emission sites at various locations associated with the NL Industries/Taracorp Superfund Site (NL Site) in Granite City, Madison, and Venice, Illinois.

1.1 SITE HISTORY

The NL Site includes the NL Industries/Taracorp Plant, a former secondary lead smelting operation located at 16th and Cleveland Boulevard in Granite City, Illinois. Prior to 1903, the plant included various smelting related equipment and processes. From 1903 to 1983, secondary lead smelting occurred on site. These activities were discontinued during 1983 and the equipment was dismantled.

In July 1981, St. Louis Lead Recyclers, Inc. (SLLR) began using equipment on adjacent property owned by Trust 454 to separate components of the Taracorp waste pile. The objective was to recycle lead bearing materials to the furnaces at Taracorp and send hard rubber off site for recycling. SLLR continued operations until March 1983 when it shut down its equipment. Residuals from the operation remain on Trust 454 property as does some equipment.

A State Implementation Plan for Granite City, Illinois was published in September 1983 by the Illinois Environmental Protection Agency (IEPA). The IEPA's report indicated the lead non-attainment problem for air emissions in Granite City, Illinois, were in large part due to emissions associated with the operation of the secondary lead smelter operation by Taracorp and lead reclamation activities conducted by SLLR. The IEPA procured Administrative Orders by Consent with Taracorp, SLLR, Stackorp, Inc., Tri-City Truck Plaza, Inc., and Trust 454 during March 1984. The orders required the implementation of remedial activities relative to air quality.

NL Industries, as former owner of the location, voluntarily entered into an Agreement and Administrative Order by Consent with United States Environmental Protection Agency (USEPA) and IEPA in May 1985 to implement a Remedial Investigation/Feasibility Study (RI/FS) for the location and other potentially affected areas. Taracorp was not a party to the agreement due to the fact it filed for bankruptcy. The USEPA determined the location was a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) facility and it was placed on the National Priorities List on June 19, 1986.

1.2 DOCUMENT ORGANIZATION

This final project report is intended to provide a detailed description of the tasks involved in performing the work. Section 2.0 describes the scope of work involved in the preparation of the site-specific plans, performance of site administration/logistical support, mobilization/demobilization, site preparation/teardown, and the operational/technical scope of work performed. Section 2.0 also compares the actual scope of work performed with the planned scope of work in general terms. Section 3.0 describes the technical approaches implemented to accomplish the operational and technical tasks of the project including

sampling, analysis, waste transportation, and waste disposal. Section 4.0 describes the Health and Safety approaches implemented to accomplish the operational tasks of the project. Section 5.0 and 6.0 contain the quantity summary tables and verification analytical summary tables respectively. Appendix A depicts the Flow Charts showing work performance. Appendix B provides detailed descriptions of the work performed at each remedial location, as well as, tables and maps detailing the sampling and analysis. Appendix C contains the detailed descriptions of work performed on the easements for this project.

2.0 SCOPE OF WORK

The scope of work for this project was delineated by the documents USACE supplied to OHM entitled: Scope of Work for Contract DACA45-95-R-0015, Stack Emissions (Lead) Removal, Madison, Illinois.

The scope of work generally encompassed the following tasks:

- Preparation of site-specific plans
- Site administration and logistical support
- Mobilization and demobilization
- Site preparation and teardown
- Excavation, Backfill, and Compacting
- Turf
- Operational scope of work
- Waste transportation and disposal

2.1 PREPARATION OF SITE-SPECIFIC PLANS

OHM revised the site-specific project work plan (WP) from DO 17 to serve as a guideline describing how the work was to be performed in order to meet the requirements specified by USACE. The WP also included the chemical data acquisition plan (CDAP) and the location-specific health-and-safety plan (LSSHPP).

Variances to the WP occurred during the project but were conducted only under authorization/direction of the USACE on-site representative(s). His/her purpose was to allow the project to function more efficiently while still remaining within all regulatory requirements. These variances are referenced and described in the relevant sections of this report.

The CDAP was prepared as a guideline to describe how, where, and how many samples would be collected. The laboratory analysis methods to be used, per the requirement of USACE's revised scope of services, were also outlined in the CDAP. In response to existing field conditions, this CDAP was amended to add the quality assurance project plan (QAPP) during the actual performance of work (see Section 2.6 for these amendments).

The LSSHPP was prepared as a guideline describing the health and safety procedures which would be followed during the performance of the project. LSSHPP addressed physical, chemical, and environmental hazards unique to this project site. This LSSHPP was amended prior to the project to allow remedial work to

be performed by personnel wearing modified USEPA Level D personal protective equipment (PPE). The results of air monitoring indicated personnel could safely perform work at the remedial locations wearing poly tyvek suits, booties, gloves, hard hats, and safety glasses without respirators. Details pertaining to health and safety issues are discussed in Section 4.0, Health and Safety Summary.

2.2 SITE ADMINISTRATIONAL/LOGISTICAL SUPPORT

The project site administration was centrally located at # 10 Farrish in Madison, Illinois. Site administrative activities performed from this location included:

- Site Supervisor
- Cost tracking/reporting
- Health and Safety administration
- Waste tracking/documentation
- Field sampling/analytical support
- Field purchasing/subcontract management
- Logistical support

Prior to the physical work, logistical preparation activities were performed, including the following activities:

- Conduct a pre-construction meeting
- Verifying waste hauling licenses
- Meeting with property owners
- Locating utilities at necessary sites
- Establishing transportation routes
- Coordinating with local agencies and hospital

2.3 MOBILIZATION/DEMOBILIZATION

OHM performed mobilization of personnel and equipment primarily from its facility in O'Fallon, Missouri. A large percentage of the heavy equipment utilized on this project came from local vendors acting as subcontractors.

2.3.1 Subcontractors

Subcontractor activities were managed by the OHM project manager and site supervisor, and by USACE when necessary. Subcontractors were responsible for transportation, disposal, backfill material, sod and on-site equipment.

2.3.2 Permits

All necessary permits and licenses were secured before site mobilization. The transporter companies and disposal facilities were USEPA-licensed. Prior to mobilization, all on-site employees completed

Occupational Safety and Health Administration (OSHA) 40-hour hazardous material training.

2.4 MOBILIZATION/DEMOBILIZATION

Sites were set up and/or torn down at each remedial lot.

2.4.1 Command Center

The command center served as the central location from which all personnel were dispatched to their respective work locations each day or as needed. The command center was located inside of a secured building and was equipped with computers, copiers, facsimile machine, telephones, and base radio. The rear of the building also served as a storage area for OHM's equipment, tools, and materials.

2.4.2 Remedial Locations

Site preparation was performed at each of the remedial locations. OHM set up decontamination points for personnel and equipment and exclusion zones were established prior to excavation. These exclusion zones were identified with orange snow fencing and yellow caution tape across existing fencing. They remained in place until backfill had been completed to a sufficient depth.

Excavation equipment used on the site was decontaminated prior to demobilization or backfill. Gross contamination was scraped from the machines before they were washed. As a dust control measure, the decontamination rinse water was collected and applied to the last load of contaminated soil.

2.5 OPERATIONAL SCOPE OF WORK PERFORMED

The excavation activities involved the removal of contaminated soils from the remedial sites. Restoration involved backfilling, seeding, and sodding of the sites after completing the remedial activities. The scope of work for this portion of the project is illustrated in Figure 2.1.1 The operations Flow Chart is depicted in Appendix A-1.

OHM's schedule for excavation was developed to facilitate logistical management and limit the time required to transport equipment and crews from location to location. During excavation activities, engineering controls and security measures, such as surrounding the exclusion zones with fluorescent orange polyvinyl chloride (PVC) barrier fencing, were employed to prevent cross contamination and unauthorized entry into exclusion zones.

Each of the stack emission sites had unique characteristics, which mandated particular methodologies of remediation.

2.5.1 Pre-construction Activities

Pre-construction activities for this portion of the project included the following items:

- Conducting a pre-construction meeting with USACE
- Issuing subcontracts
- Communication with Julie Corporation (the utilities' identification organization in Illinois) to locate potential underground utilities at the site
- Obtaining permits
- Obtaining soil samples for waste characterization
- Videotaping residential properties for restoration purposes

2.5.2 Construction Activities-Lots

The excavation techniques employed at each location varied according to location accessibility, depth, and extent of material. Minimization of disturbances to adjoining properties/areas was also a key consideration in performing each excavation. OHM used Bobcat mini-excavators, TL26, Takeuchi, TCM806 along with Kubota Tractors and manual removal methods.

Dust control was a major consideration. A storage system with pump and hose were available at all times to prevent fugitive emissions. Water trucks were also utilized to provide additional dust control and to transport water to sites for decontamination.

Most of the residential yards needed to have sod removed at varying depths of soil. Wastes were excavated using a track excavator, Takeuchi, and/or a Bobcat. At some locations, hand digging was necessary. Special soil was loaded into licensed waste hauler trucks for transportation to the disposal facility.

Most of the driveways contained aggregate soil mixtures. Most locations were accessible but required smaller equipment and hand digging. Non-hazardous waste (special waste) was classified analytically. The special waste was loaded into licensed haul trucks and sent to the disposal site.

2.5.4 Restoration

After excavation to predetermine depth had been achieved, OHM restored the location to pre-remedial conditions. Excavation areas were backfilled with clean soil and restoration was completed as required by the specifications. Sodding, seeding, and revegetation were performed when necessary.

2.5.5 Waste Removal

Wastes removed from the sites were transported to one of two locations. Milam RDF/Chain of Rocks. Figure A-2 in Appendix A shows the flow chart for T&D.

2.6 SAMPLING AND ANALYSIS

The following paragraphs detail the sampling and analysis tasks, as well as CDAP amendments/adjustments.

2.6.1 Sampling and Analysis Tasks

The sampling and analysis tasks for this project involved the following items:

- Street Sweeping
- Pre-characterization sampling and analysis of sites included as delineated by USACE
- Pre-characterization sampling and analysis of additional sites
- Resample (stack emission) as directed by USACE
- Backfill sampling

Street Sampling

OHM collected random grab samples from streets, as directed by USACE, for the purpose of determining the lead content of the street.

As per the scope of services issued to OHM by USACE, material at the residential sites exhibiting concentrations of total lead greater than 500 mg/kg were to be removed and disposed.

Samples were collected from one point in the front yard and one point in the back yard. Both samples collected were at least 10 feet from any structures if possible.

Site Pre-Characterization Sampling and Analysis

As the project progressed, the need to establish the level of effort anticipated for each upcoming site became much more apparent. The need to pre-characterize each of the remedial locations to establish reasonable estimates of non-hazardous waste requiring removal was made evident via an amendment to the CDAP. The site pre-characterization sampling and analysis efforts were applied to non-hazardous (stack emission) sites. The primary purpose of these efforts was to confirm or refute the potential contamination at each remedial location and to obtain an indication of the extent of contamination at sites with lead concentrations greater than 500 mg/kg. The most efficient and productive approaches to the pre-characterization sampling and analysis, which include the steps described in the following paragraphs, were ultimately developed for the residential lots.

Pre-characterization sampling and analysis at the residential lots included the establishment of two sample locations at each site. The two sample points were positioned at the center of the front and back yard of each location. One sample was then collected at the following depths from each sample location: 0 to 3 inches, 3 to 6 inches, and 6 to 12 inches.

The laboratory analysis of the samples followed the logic as below. The two samples representing the top 3-inch layer of each of the locations were analyzed for total lead and toxicity characteristic leaching

procedure (TCLP) lead. The second and third set (representing 3 to 6 and 6 to 12 inch depths) were analyzed for total lead only.

This is depicted in Figure A-3 in Appendix A.

Pre-characterization of Additional Sites

Under authorization of USACE, OHM performed the pre-characterization sampling of additional sites over and above the original scope of services. The objective of this was to determine the potential presence of lead contamination with anticipation for the planning of remediation at these same sites. The technical approach for this task involved the same approaches as mentioned in the preceding paragraphs concerning pre-characterization.

2.6.2 CDAP Amendment/Adjustments

Development of the Sampling for Backfill Material

An amendment for the sampling and analysis of backfill was designed to show that incoming backfill material was clean to USEPA standards. This was done as a composite sample on every 1000 cubic yards of backfill and run for the following analysis:

- TCLP for Cd, Cr, Pb
- PAH-IEPA Levels
- Pesticides/PCB's
- TPH
- GRO
- DRO
- Total VOC's

2.7 TRANSPORTATION AND DISPOSAL

The transportation and disposal (T&D) of waste from the sites included the shipment of non-hazardous waste shipped to the Chain of Rocks facility/Milam facility. The special waste was transported by Garcia Trucking. The transportation of the waste was performed with tandem dump trucks.

2.7.1 Transportation of Waste

Each site was identified by an address which was written on the manifest. The site was then assigned a 5-digit manifest document number at the time of shipment. This system ensured the trucks origin was documented.

The State of Illinois requires each special waste shipment be on an all Illinois manifest. This allowed each shipment of special waste to also be cross-referenced with the preprinted Illinois manifest document.

2.7.2 Disposal of Wastes

This project involved the removal and disposal of special non-hazardous industrial waste (non-hazardous waste) which was primarily removed from residential locations. The objective of the non-hazardous waste excavation efforts was to remove all material exhibiting concentration of total lead above 500 mg/kg, but less than 5 mg/l, when analyzed by TCLP.

Disposal characterization of waste was determined by analyzing composite samples, as directed in Section 2.6. Pre-characterization analysis was done at each site to verify depth of lead contamination. The characterization of certain waste as non-hazardous was confirmed at each site with the performance of TCLP lead analysis of composite samples.

The disposal facility subcontracted to provide non-hazardous waste disposal was the Chain of Rocks facility/Milam. OHM obtained the approved waste profile by providing analytical that was previously performed under the Rapid Response Contract.

3.0 TECHNICAL APPROACH

The stated objective of this project was to excavate and dispose of lead contaminated soil in yards of residential communities as per the Record of Decision between the USEPA, IEPA, and the potentially responsible parties (PRPs) for the Superfund site.

This section describes the general approach implemented to complete the work in the residential lots. The methods implemented to perform the work on this project fall into one category:

- Residential lots (Non-Hazardous)

The operational effort extended was supported by the technical information that was gained through implementation of the following:

- CDAP amendment/adjustment
- Transportation and disposal, Appendix A-2

3.1 PRE-CONSTRUCTION ACTIVITIES

The pre-construction activities performed during this project were predominantly associated with obtaining disposal permits; obtaining transportation permits; preparing and delivering notifications of work to the public; attending public meetings; and identifying utilities at each remedial location. Many of these pre-construction activities were performed on an on-going basis as the project proceeded from one remedial location to the next.

The permits for the disposal of non-hazardous waste were obtained prior to shipment of the waste.

Before work progressed from one remedial location to the next, the identification of utilities was coordinated from the command center by OHM's safety supervisor. The identification of the utilities was coordinated with Julie Corporation. OHM's safety supervisor would telephone Julie Corporation and notify the organization of OHM's intention to perform work at a given site. Julie Corporation would then issue a "dig number" to OHM and notify all utility companies listed to provide service for the area of concern. Typically, the utility companies would mark the utilities on the site within 48 hours of OHM's initial contact with Julie Corporation.

OHM's subcontractors who performed the transportation of waste and equipment at and through the cities of Madison, Venice, and Granite City, Illinois City obtained required transportation permits.

3.2 SAMPLING AND ANALYSIS

The sampling and analysis tasks involved the following items:

- Laboratory confirmation sampling and analysis
- Pre-characterization sampling and analysis
- Backfill sampling

As per the direction of USACE, material at the residential sites exhibiting concentrations of total lead greater than 500 mg/kg were removed and disposed.

3.2.1 Pre-Characterization Sampling and Analysis

As the project progressed, the need to establish the level of effort anticipated for each upcoming site became much more apparent. The need to pre-characterize each of the remedial locations for establishing reasonable estimates of non-hazardous waste requiring removal was made evident through incorporation into the CDAP. The site pre-characterization sampling and analysis efforts were applied to non-hazardous (stack emission) sites. The primary purpose of the pre-characterization sampling was to confirm presence of non-hazardous waste meeting the action level. The most effective and productive approaches to the pre-characterization sampling and analysis were ultimately developed for the residential lots.

3.2.2 Technical Approach to Stack Emission Lots

The technical approach to the stack emission lots differed from the residential battery casing cleanups in the respect no confirmation sampling was necessary. The reason for this was due to previous sampling results yielding a pre-determined depth per USEPA. Consequently, yards were excavated to this pre-determined depth. In addition, all waste was shipped out as special-direct to a landfill.

3.3 CHEMICAL DATA ACQUISITION PLAN AMENDMENTS/ADJUSTMENTS

3.3.1 Development of the Sampling for Backfill Material

An amendment for the sampling and analysis of backfill material was designed to show that incoming backfill material was clean to USEPA standards. This was done as composite samples on every 1000 cubic feet of backfill and run for the following analysis:

- TCLP for Cd, Cr, Pb
- PAH-IEPA Levels
- Pesticides/PCB's
- TPH
- GRO
- DRO
- Total VOC's

3.4 TRANSPORTATION AND DISPOSAL

The T & D of waste removed from the sites included the shipment of non-hazardous waste by Garcia Trucking to Chain of Rocks Landfill/ Milam in Granite City, IL.

3.3.1 Transportation of Waste

Each site was identified by an address, which was written on the manifest. The site was then assigned a 5-digit manifest document number at the time of shipment. This system ensured the trucks origins were documented.

3.3.2 Disposal of Wastes

Disposal characterization of the waste was determined by analyzing composite samples, as described in Section 2.6. Verification of waste characterization was performed at each site through pre-characterization efforts. The characterization of certain waste as non-hazardous was confirmed at each site with the performance of total lead and TCLP lead analysis of composite samples.

The disposal facility subcontracted to provide non-hazardous waste disposal was Chain of Rocks/Milam in Granite City, IL. OHM obtained the approved waste profile by providing analytical that was previously done under Rapid Response Contract.

4.0 HEALTH AND SAFETY SUMMARY

4.1 PROJECT SUMMARY AND CONCLUSIONS

4.1.1 Summary

The following summarizes the health and safety aspects of this project:

- Task-specific hazard evaluations were performed each day at each work site prior to the start of work
- Air monitoring data was used during this project to verify appropriate personal protection was being used for site conditions. Personnel medical monitoring was performed prior to and at the end of the project to determine lead levels in the blood.
- Perimeter samples indicated total lead concentration below the action limit established in the LSSHP. Although results obtained are "after the fact," no personnel or citizens were at risk to exposure at any time.
- Personnel air sampling data indicated no detectable reading for total lead. There were no recorded cases of personnel overexposure to ambient lead levels.

4.1.2 Conclusions

Following completion of the project, the OHM Health and Safety Department made the following conclusions:

- The LSSHP was effectively implemented to address the health and safety hazards associated with each phase of site operations and to meet the requirements set forth in 29 CFR 1910.120.
- The existing LSSHP is appropriate for future phases of work at this site involving the same work activities.
- Future work should be performed in Level D PPE with appropriate air monitoring to verify the selection of PPE. An action level of 30mg/m³ should be used to warrant controls. Once monitoring shows consistent reading below the action level, the amount and frequency of air monitoring may be appropriately limited/reduced.
- Special attention should be paid to prevent any recordable accidents and near misses during the course of future work. Routine tasks should be reviewed and evaluated for potential hazards.

4.2 SITE SAFETY AND HEALTH PLAN EVALUATION

A LSSHP was issued before the start of this project to address the health and safety hazards

associated with each phase of site operations. The plan met the requirements of 29 CFR 1910.120. The phases of work addressed in the LSSHP include the following:

- Mobilization
- Installation of perimeter fence
- Soil sampling
- Excavation of contaminated soil
- Load-out of contaminated soil
- Backfill of excavation
- Restoration of disturbed areas
- Decontamination and demobilization

4.2.1 Provisions

Once on site, waste materials were designated to be directly loaded into dump trucks.

Provisions were made to address heavy equipment, excavation and other physical hazards. Hazards associated with vehicle and pedestrian traffic in work areas and roadways were controlled by the use of warning signs, Men at Work signs, and road guards to direct traffic.

4.2.2 Personal Protective Equipment

PPE provisions were made to minimize exposure to lead contamination for personnel on site. Level D PPE included the following:

- Hard hat
- Safety glasses
- Steel-toed leather safety shoes/boots
- Poly tyvek coveralls
- Nylon booties (under) and Robar/Tingley boots (outer)
- Inner sample gloves, outer cloth or leather gloves

An action level of 15.0 mg/m³ of airborne lead, as determined by integrated sampling, was set by USACE to upgrade the level of PPE to Level C (including use of an air purifying respirator.) Air monitoring was performed for the duration of remedial activities to ensure proper PPE use.

4.3 SITE SAFETY

4.3.1 Accidents

Employee safety was OHM's first priority. After performing more than 157,454 man hours on this project, OHM personnel suffered no OSHA-recordable accidents or injuries.

4.3.2 Preventative Measures

A number of measures were taken on site to prevent accidents and injuries. Daily safety meetings were held to discuss: hazards associated with upcoming work tasks; the use of specific tools and equipment; and other chemical, physical, and environmental hazards associated with site work. Task-specific hazard evaluations were performed each day at the work sites prior to the start of work.

Controls were used to eliminate the hazards associated with vehicle and pedestrian traffic near the work locations. Warning signs were posted and guards were used to direct traffic.

A heat stress prevention program was also instituted on site. Personnel heat stress monitoring was performed to prevent heat related illnesses during work in high ambient temperatures. Site workers' pulses, body temperatures, and blood pressures were taken before and after each break. Work-rest schedules were determined by the results of this monitoring in accordance with the LSSHP heat stress monitoring criteria.

Specific work/rest regimens were established at the start of every work day based on the specific work conditions for that day (temperatures, time of day, amount of sun or shade, etc.) Breaks were taken in shady areas as designated throughout the work shift. Personnel removed PPE and were given cool liquids to drink (e.g., juice, water). Visual observation by a designated safety official was used to identify individuals exhibiting symptoms of heat-related illness and to take the necessary actions.

4.4 EXPOSURE MONITORING

4.4.1 Methodology

Air monitoring was performed to determine the ambient levels of total suspended particulates generated during excavation and to determine total ambient lead exposure for site personnel and perimeter emissions. At the start of each work day, wind direction was used to determine the placement of sampling instruments on site.

Personnel and perimeter samples were taken to determine the levels of total lead in the air of the personal breathing zone and at the site perimeter. Lead samples were collected and analyzed using NIOSH Method 7300 and battery-operated air sampling pumps (Gilliam or equivalent) fitted with 37-millimeter (mm) mixed cellulose ester (MCE) filters (0.8-micron pore diameter).

4.4.2 Perimeter Sampling

Three perimeter samples were taken daily over the course of the work shift. One sample was taken upwind of site operations and two were taken downwind. Perimeter samples were taken above ground levels (approximately 4 to 5 feet in height) to characterize the breathing zone and to prevent contamination due to foot traffic. The pump flowrate was calibrated and set at approximately 20 liters per minute for the duration of the task (about 8 hours.)

Samples were assigned identification numbers based on an established code. The analytical laboratory used was Environmetrics, 11401 Moog Drive, St. Louis, Missouri. Standard turnaround time for

sample results was 24 to 48 hours by facsimile; original data was then returned by mail.

4.4.3 Personnel Sampling

Personnel air samples for lead were taken for a respective number of employees performing intrusive activities within the exclusion zone (one employee from each job category; at least two employees per day per site). The samples were taken in the person's breathing zone for the duration of the day's shift. Samples were collected at the end of the work day and sent to the analytical laboratory for analysis of total lead. A blank sample was included in shipment.

4.4.4 Medical Monitoring

Personnel blood lead levels were determined prior to and after the completion of work for this project.

5.0 QUANTITY SUMMARY TABLE

Quantities of material were tracked for each lot or site remediated. Table 5.1 presents a summary of these totals.

QUANTITY SUMMARIES

Site Address	Special cu yd	Sod sq yd	CA-6 ton	CA-7 ton	Topsoil cu yd	Backfill loads
1920 Adams	119.37	960	46.2	28.84	119.37	
1924 Adams	89.12	420	44.75	14.6	14.75	6
1928 Adams	89.12	420	44.75	14.6	14.75	6
2034 Adams	301.42	1260			46.15	35
2100 Adams	319.25	840	54.8	26.7	79.98	15
2108/10 Adams	36.35	240	14.65		20.54	
2114 Adams	77.70	600	57.95		41.06	5
2116 Adams	146.82	360	13.79	28.35	104.41	26
2120/22 Adams	103.31	420			70.03	8
2132/34 Adams	86.65	300	56.48	14.27	34.48	7
2144/46 Adams	137.88	360	40.55	26.95	23.37	10
2148 Adams	146.62	270	86.9	28.5	26.66	3
2156 Adams	106.55	240	30.05	28.4	13.71	8
2158 Adams	60.29	180			25.32	6
2160 Adams	100.40	240	39.6			8
1022 Alton	152.97	480	72.35	21.98	47.22	10
1026 Alton	124.53	420	42.3	21.63	33.35	5
1911 Benton	50.78	180	12.8	14.07	40.45	
1915/17 Benton	64.76	210	14.65	14.3	31.48	5
1916 Benton	35.76	150	29.65	31	23.08	1
1919/21 Benton	63.92	180	31.15	44.8	39.22	
1920 Benton	25.14	120		14.9	21.54	
1922 Benton	26.25	120		14.8	9.23	
1923 Benton	60.64		32.55	46.7		
1924 Benton	46.68	120	16.45	16.6	12.31	2
1925/27 Benton	32.00	452			49.03	
1926 Benton	33.64	150	17.5		11.34	
1928 Benton	51.28	240	26.3	14.6	27.72	1
1930 Benton	50.85	240	42.09		59.40	2
1932 Benton	37.82	240		15.45	34.95	
1934 Benton	30.82	180			34.08	
1936 Benton	58.43	300	29.05	16.7	12.01	3

1937 Benton	8.02	360	27.65	29.6	18.35	4
1940 Benton	34.24	360			59.38	
1941 Benton	23.18	120		28.9	47.48	
1943 Benton	23.18	120		18.9	47.48	
2020 Benton	60.92	510			57.16	
2024 Benton	47.88	300		28.3	45.77	
2028 Benton	80.47	210	44.7	14.7	45.79	1
2040 Benton	47.39	240	43.55		12.02	2
2109 Benton	117.20	360	29.7	13.6	40.16	8
2113/15 Benton	118.31	420			57.21	8
2117 Benton	30.50	120	13.45	14.1	10.78	2
2119 Benton	94.02	240			11.93	1
2120/22 Benton	72.66	420			57.18	
2121 Benton	47.75	180			12.31	
2123 Benton	29.89	180		15.3		3
2124/26/28 Benton	123.86	660	76.59		52.57	6
2129/31 Benton	32.16	150		17.55		
2133/35 Benton	39.55	150	74.45	16.25		
2137/39 Benton	127.22	180	28.35		69.39	10
2138 Benton	126.71	444	29.3	14.5	116.52	3
2140/42 Benton	57.18	317	14.35	13.95	48.67	2
2153/55 Benton	96.49	378		13.5	24.52	6
2158 Benton	64.65	444.5	14.8		57.59	3
2165 Benton	42.25	190.5			23.35	
2222 Benton	229.48	540	76.55	25.35	83.12	5
2226 Benton	82.88	240	44.4	14.6	32.31	6
2228 Benton	46.77	360			45.27	
2231 Benton	42.31	360	30.5	27.1		4
2240 Benton	49.51	300		14.5		5
2248 Benton	30.78	60		30.4	13.33	
2250 Benton	33.17	420	14.55	14.65	23.65	
2252 Benton	31.80	120			23.08	
2254 Benton	68.25	180	16.15	12.85		4
2256 Benton	46.71	240	14.77	13.8	24.03	2
2013/15 Bryan	94.72	180	14.65	44.5	47.69	3
2023 Bryan	107.87	189	90.05	27.46	21.08	5
2027 Bryan	145.12	300		55.35	125.38	8
2029/31 Bryan	118.38	240	45.33	25.55	54.68	2

2037 Bryan	138.04	508	30.55		82.58	11
2103 Bryan	159.33	420	58.9	90.5	24.82	8
1715 Chestnut	137.65	283.5	73.09	14.7	36.73	5
1718/20 Chestnut	161.02	120	16.98	34.77	54.33	9
1723 Chestnut	218.25	1200	28.15	14.7	74.95	16
1753 Chestnut	181.56	477	149.3	13.95	36.55	9
1929 Cleveland	126.25	189	83.9	29.15	49.86	1
1935 Cleveland	75.35	240	27.3		40.77	4
1939 Cleveland	122.98	510			32.91	6
2006 Cleveland	89.48	300		12.85	36.55	7
2026 Cleveland	75.70	420		15.05	33.89	5
2028 Cleveland	111.78	420	15.9		23.07	6
2029 Cleveland	96.57	480	14.75		83.78	2
2055 Cleveland	47.63	320			39.07	
2057 Cleveland	66.82	420	35.44		51.50	
2056/58 Cleveland	46.37	180		12.32		3
2100 Cleveland	123.05	180	34.27	19.11	42.60	5
2110 Cleveland	69.46	540				11
2114 Cleveland	70.94	360				4
2116 Cleveland	178.88	900		14.9	92.42	11
2107/17 Cleveland	104.49	420	21.82	13.5	21.72	7
2119 Cleveland	65.64	180			10.98	5
2121 Cleveland	110.88	126	73.8	13.6		1
2127 Cleveland	37.51	252			28.33	1
2133 Cleveland	38.96	300			36.46	
2137/39 Cleveland	60.79	190.5	59.2	15.5	33.92	
2140 Cleveland	126.12	420	15.15	29.8	23.07	3
2142 Cleveland	85.12	180	46.75		24.62	5
2145 Cleveland	51.30	381			34.41	3
2149 Cleveland	95.55	240	54.3	20.15	21.85	3
2153 Cleveland	71.80	317.5	13.75		32.95	3
2156 Cleveland	86.38	635			34.49	6
2158 Cleveland	87.18	300			10.92	3
2160 Cleveland	83.60	190.5	73.65	14.05	30.28	5
2161/63 Cleveland	37.95	318	15	15	13.73	2
2167 Cleveland	74.04	572			69.44	
2200 Cleveland	243.87	120	220.4			11
2201 Cleveland	81.54	350			34.68	

2205 Cleveland	35.94	180		13.95		2
2209/11 Cleveland	57.38	420	15.1	15.2	57.55	
2214 Cleveland	55.72	254	14.45	15.2	24.78	2
2217 Cleveland	95.18	300			60.26	3
2218 Cleveland	55.68	286			47.23	
2221 Cleveland	63.88	390	30.15		11.22	2
2222 Cleveland	58.39	480	32.15		34.92	
2225 Cleveland	193.93	480	59.26	15	79.39	5
2226 Cleveland	119.75	390			76.59	9
2229 Cleveland	152.95	480	83.45		20.11	11
2234 Cleveland	53.84	317.5	16.7	15.2	36.61	
2237 Cleveland	300.91	780	70.05	13.25	56.48	15
2238 Cleveland	101.58	480	30.9	12.91	30.00	14
2246 Cleveland	45.35	254			33.11	2
2258 Cleveland	45.36	444.5			46.15	
1812/14 Delmar	83.99	180	14.05		11.03	4
2015/17 Delmar	40.63	240			9.45	2
2019 Delmar	40.25	300			45.34	1
2025 Delmar	27.35	317.5	14.95	14.3	22.42	
2033 Delmar	32.23	240		13.7	11.25	1
2116/18 Delmar	42.20	100	72.55			3
2120 Delmar	99.85	700	53.25			18
2121 Delmar	49.70	300	29.73			7
2125/27 Delmar	43.59	240	29.1			1
2129 Delmar	66.32	300	29.58	15.27		7
2130 Delmar	111.37	420	74.65	14.85		13
2133/35 Delmar	65.72	240	15.45	14.8	34.94	1
2134 Delmar	114.41	360				15
2137/39 Delmar	121.91	210	61.4	27	36.59	6
2138 Delmar	79.15	240	17.3		40.39	6
2141/43 Delmar	48.85	350	12.55	29.35	12.37	2
2146 Delmar	60.02	434				8
2147 Delmar	89.81	420	13.5	31.39	56.57	5
2149 Delmar	63.29	600			35.75	1
2150 Delmar	75.15	420	15.8			8
2154/56 Delmar	64.45	240	15	15.05		6
2200 Delmar	69.78	480	27.86			8
2201 Delmar	92.55	540	15.65	14.85	56.27	3

2205 Delmar	89.67	300	29.65	14.5	29.88	4
2206 Delmar	33.65	240	15	15.05		3
2210 Delmar	108.07	500	43.77			11
2215 Delmar	46.90	300	43.77		34.42	1
2219 Delmar	111.87	550	15.85	15.1		12
2234 Delmar	42.39	420	12.48	14.56	19.35	2
2237/39 Delmar	39.81	190.5	15.6		31.68	
2238 Delmar	50.92	360	15.45	15.35	6.15	14
2243 Delmar	88.24	222.5	44.8	14.9	47.82	2
2246 Delmar	112.90	360	14.33			11
2247 Delmar	23.24	120		14.3	13.19	1
2252 Delmar	115.13	360	28.95			8
2253 Delmar	52.01	180	23.87		21.55	2
2258 Delmar	47.19	240	14.7			6
2259 Delmar	53.58	120				5
2262 Delmar	51.81	360	14.35		23.27	2
2503 Denver	124.67	120	13.9	13.7	51.68	9
2505 Denver	82.06	320	29.75		11.58	6
2507 Denver	64.86	222.5		15.4	12.82	4
2118 Edison	107.93	180	148.05	31.4		4
2121 Edison	88.75	120	88.1	14.15		2
2122 Edison	63.72	480				10
2123/25 Edison	25.51	240	13.9	13.2	18.15	3
2124 Edison	104.69	180	86.74	13.52		4
2128/30 Edison	46.75	180	15.37	13.25		4
2132 Edison	60.65	180	29.85	14.75		3
2137/39 Edison	53.23	240	26.85	14.15		6
2138 Edison	64.19	420			23.08	5
2141/43 Edison	53.82	378	53.2	16		5
2153 Edison	55.10	330	14.1			4
2154 Edison	50.93	260	34.6			3
2204 Edison	102.15	240	15.55		9.17	8
2207 Edison	96.55	360	59.45	14.55	12.25	5
2211 Edison	76.68	480	30.95		11.55	6
2215 Edison	69.27	240	15.1		12.42	3
2219 Edison	79.23	480	27.55	13.45		8
2235 Edison	91.91	300		30.6	35.52	6
2236 Edison	102.46	480	29.6	13.8		6

2237 Edison	28.78	120		14.35		2
2240 Edison	74.24	360	38.35	14		5
2246 Edison	89.37	420	12.65			7
2250 Edison	65.76	378	41.95	12.95		6
2251 Edison	49.47	300	58.41		11.07	2
2262 Edison	48.89	300	26.5	14.4		5
1871 Edwardsville	127.06	400		13.75	20.05	14
1703 Elizabeth	131.88	360		13.75	34.04	10
1713 Elizabeth	74.92	360	14.95		22.12	5
1920 Elizabeth	48.71	180			23.01	4
811 Grand	94.38	360		14.85	34.42	7
825 Grand	40.04	120	13.3			3
906 Grand	67.95	180	15.35	29.3	23.54	4
907/15 Grand	284.94	1260	14.8	15.05	41.72	39
914 Grand	52.79	300	43.6	26.5	24.12	6
916 Grand	41.22	180			24.63	3
921 Grand	34.84	240			26.86	4
923 Grand	53.38	240			21.90	2
1000 Grand	20.99	210			11.37	2
1012 Grand	131.53	450	59.3	14.9	11.69	11
1013/19 Grand	189.40	952.5			56.76	17
1020 Grand	118.01	540			58.17	11
1021 Grand	26.88	127		15.1	12.08	2
1100 Grand	29.47	254			38.12	5
1101 Grand	194.72	347	74.55	14.9	83.48	8
1102 Grand	75.55	120		13.9	26.52	5
1105 Grand	117.64	317.5	43.95	14.45	37.14	8
1107 Grand	47.32	159		14.95	11.79	4
1108 Grand	92.17	300	11.95	14.65	25.32	6
1115 Grand	96.50	635			104.62	9
1125 Grand	48.63	254			25.04	6
1222 Grand	35.73	441		13.5	40.00	
1224 Grand	26.59	127		14.25	23.64	1
1233 Grand	335.79	1323		43.4	183.03	29
1240/42 Grand	204.97	850.5		28.45	271.45	16
1300 Grand	79.72	220.5	13.95	13.95	23.74	4
1303 Grand	98.74	346.5	40.8		23.74	7
1307 Grand	83.47	381		49.75	38.37	

1309 Grand	67.15	381		31.9	49.43	3
1311 Grand	68.54	360		28.75	54.18	3
1317 Grand	100.05	540		13.2	38.74	10
1323 Grand	35.78	157.5		29.5	22.69	
1325 Grand	16.62	60	14.95			1
1330/32 Grand	189.72	30	358.75		11.54	
1413 Grand	58.58	180	10.92		11.91	4
1417 Grand	45.90	180				4
1427 Grand	27.23	63	10.92			2
1447 Grand	249.69	945	14.69	58.66	93.35	17
1728/30 Grand	122.98	444.5	14.8		36.62	10
1734 Grand	140.36	190.5	153.2	14	41.28	5
1918/20 Grand	74.90	300			11.62	4
1924 Grand	47.22	180	16.4	13.85	16.38	
1928 Grand	41.24	423		15.15	12.12	3
1932/34 Grand	43.28	164	30.15	45.65	11.05	
1933/35 Grand	150.12	63	104.97	73.4	9.23	2
2117/19 Grand	80.42	60	15.25	30.25		5
2129 Grand	96.57	360	71.85			9
2139 Grand	101.93	180	70.4	13.1		7
2149 Grand	91.05	420				8
2206 Grand	36.39	180	41.7			2
2208/10 Grand	48.75	480	43.8	16.9		6
2216/18 Grand	72.50	310	60.85	14.2		5
2224/26 Grand	130.37	300	13.6	27.65		6
2228 Grand	49.62	180	43.45	13.85		5
2240/42 Grand	50.88	360	29.2	14.2		3
2246 Grand	64.99	300				7
928 Greenwood	160.73	1140		14.6	108.32	21
1009 Greenwood	78.13	420	13.4	23.95	38.48	7
1012 Greenwood	152.45	660	61.7	51.8	54.86	8
1014 Greenwood	58.76	180			28.13	
1016 Greenwood	50.95	180	15.3		38.93	5
1019 Greenwood	88.62	540			44.89	8
1022 Greenwood	71.04	300			33.78	5
1024 Greenwood	41.85	180				6
1028 Greenwood	59.79	300		14.1	22.50	4
1030 Greenwood	86.11	120	28.1	14.2		9

1032 Greenwood	28.82	240	13.1		19.54	
1100 Greenwood	163.05	315		29.1		13
1102/04 Greenwood	102.63	420	29.05	14.35	22.30	6
1108 Greenwood	97.19	300	73.21		58.01	3
1112 Greenwood	43.35	420			24.51	2
1120 Greenwood	161.67	360	117.03	31.4	10.23	10
1133 Greenwood	156.80	900		15.2	55.06	14
817 Iowa	42.13	240	14.59	13.1		3
819 Iowa	19.45	120				2
820 Iowa	86.93	240	82.9	13.35	16.79	1
822 Iowa	52.71	240		31.7	23.58	1
825 Iowa	51.62	360	29.41			5
911 Iowa	25.63	180				3
915/17 Iowa	92.32	360		12.85	67.65	3
916 Iowa	191.80	1200	28.15			24
922 Iowa	149.15	420		14.1	13.91	13
925 Iowa	83.22	700		7.5		9
1004/06 Iowa	44.87	180	58.05	12.85	10.71	2
1008 Iowa	137.43	81	91.66		21.59	6
1013 Iowa	58.39	240			24.02	4
1015 Iowa	64.87	300				7
1030 Iowa	114.18	600			18.84	12
1109 Iowa	145.75	900	25.35		21.54	10
1115 Iowa	120.40	300	13.2		33.65	14
1117 Iowa	155.65	420	70.24	30.22		14
1124 Iowa	275.60	780		15.45		30
1201 Iowa	62.92	540	13.45	13.8	47.42	8
1205 Iowa	41.16	300	13.9			5
1211 Iowa	65.94	480			22.48	4
1213 Iowa	95.61	300	44.85	15.3	22.34	6
1227 Iowa	102.88	506				12
1230 Iowa	97.34	667	14.5	13.55	66.88	3
1231 Iowa	62.47	120	29.9	15.3	16.25	2
1245 Iowa	113.52	480		14.75	40.36	9
1301 Iowa	130.02	600			56.28	10
1304 Iowa	30.42	32	29.5	14.8	12.08	
1305 Iowa	77.97	60	44.5		9.35	2
1311 Iowa	52.60	360			23.02	4

1313 Iowa	92.53	600	16.05		52.23	6
1316 Iowa	89.72	360		15.6	39.56	4
1322 Iowa	44.10	480			37.34	3
1324 Iowa	70.72	360		14.25	49.45	2
1400 Iowa	83.67	540	14.65	13.25	21.85	6
1406 Iowa	163.90	157.5	57.2	41.3	25.31	6
1408 Iowa	251.45	504	87.3	43.5	105.32	14
1419 Iowa	62.10	190.5	29	14.15	35.78	1
1421 Iowa	91.71	252	15.2	13.9	45.67	6
2201 Iowa	87.73	540	15.85	14.8	22.47	4
2207 Iowa	57.75	360		35.35	25.31	1
2209 Iowa	55.74	420		7.95	36.15	3
2221 Iowa	63.55	360			20.42	1
2229 Iowa	57.04	240	14.6		11.55	3
2231 Iowa	44.56	300	14.5	15.05	12.90	2
2261 Iowa	36.74	240		14.25	11.74	1
1603 Kennedy	88.24	240		14.65	51.02	7
1604 Kennedy	139.20	603	28.1	14.2	29.82	13
2019 Lee	95.58	189	73.7		26.09	7
2021 Lee	108.92	254	14.65	15.9	23.68	7
2025 Lee	66.08	254	44.74	16.4	14.46	3
2027 Lee	67.22	222	13.95	26	12.88	5
2029 Lee	26.67	222			25.38	
2031 Lee	54.97	254		28.05	47.39	5
2037 Lee	36.04	286		14.35	47.58	5
2041 Lee	59.42	180		14.9	23.85	4
2045 Lee	33.19	300	14	13.05	10.24	3
2047 Lee	65.25	381		14.25	40.69	6
2109 Lee	116.68	560	14.7	14.55	23.52	4
2115 Lee	61.12	480	14.85	14.9	23.38	2
2119 Lee	87.07	570	17.1		32.85	3
2123 Lee	138.58	317.5	72.7	14.66	26.46	4
2127 Lee	79.80	360	26.85		33.08	5
2135 Lee	52.05	420		14.35	9.90	
2139 Lee	67.62	300	14.85		21.24	5
2143 Lee	40.84	240			10.78	2
2149 Lee	41.07	240			12.00	2
2160/62 Lee	43.04	330			11.48	4

2172 Lee	105.38	150	40.4	13.5	12.18	7
819 Madison	93.08	240	60.6	14.4	21.59	5
907 Madison	78.62	240	69.74	14.8	20.79	5
915 Madison	43.23	180		12.45	42.08	
1009 Madison	26.04	180	13.8	13.65	21.73	
1013 Madison	99.32	270	14.95	27.3	42.58	4
1017 Madison	140.03	240	91.05	89.55	24.35	2
1021 Madison	135.85	254	43.52	15.64	51.42	5
1023 Madison	24.24	95	17.65		26.00	1
1025 Madison	21.49	63.5				2
1027 Madison	18.75	95	32.25		13.85	
1103 Madison	34.82	127	15.9			2
1109/11 Madison	46.52	360		14.8	21.39	3
1122 Madison	61.32	420	66.8	14.9		4
1126/28 Madison	183.12	240	88.6	13.9	41.77	8
1224 Madison	306.46	60	507.75	58.85	12.31	2
1234 Madison	261.01	300	79.6	16.8		8
1244 Madison	250.16	60	317.1	29.9		
1318 Madison	35.58	120				8
1320 Madison	205.52		259.45	90.55		7
1404/06 Madison	78.85		120.3	60.65		
1407 Madison	130.51	360	57.65	14.3	25.35	8
1412/14 Madison	216.50	189	239.02	26.22	20.17	5
1420 Madison	68.07	480	46.6		36.92	5
1424 Madison	153.53	252	63.1	14.05	35.32	7
1426/28 Madison	86.68	220.5	28.5	70.84	54.49	3
2031 Madison	38.49	120	12.52	13.59		4
1611 Maple	63.36	381		12.14	35.05	3
1626 Maple	180.50	540	28		53.44	15
1640 Maple	67.98	189	28.7	13.8	10.99	2
1644 Maple	186.42	409.5	87.6	14.55	63.52	8
1648 Maple	158.61	189	325.5	15	11.54	5
1649 Maple	90.70	285.5	29.65		28.56	5
1708 Maple	49.44	63	14.5	13.8	35.66	2
1713/15 Maple	191.59	840	13.95		82.91	14
1716 Maple	52.92	472.5			44.55	
1726 Maple	117.09	317.5	15	29.6	41.60	7
1727 Maple	53.21	360	13.55		11.90	4

1732 Maple	83.66	254	15.55		35.25	6
1733 Maple	141.47	420			32.55	15
1739 Maple	46.01	420	12.75		45.37	1
1744 Maple	52.46	286		29.35	51.28	
1748 Maple	57.09	508			76.68	
1821 Maple	44.52	381		14.85	53.84	
1933 Maple	42.85	190.5		15.2	36.18	
607 Meredocia	199.41	693	28.85	15.2	71.98	16
615 Meredocia	87.14	480	27.94	14.7		4
616 Meredocia	140.64	540	36.88	7.5		18
627 Meredocia	91.48	600	32.45			11
645 Meredocia	72.12	480	30.15			11
809 Niedringhaus	149.87	660	26.6	29.05	79.89	10
821/23 Niedringhaus	81.57	508	27.55	13.9	39.92	
824 Niedringhaus	62.04	240			12.27	6
915/17 Niedringhaus	245.41	700	118.2		63.30	16
1245/57 Niedringhaus	222.07	1620	102.5	28.05	180.46	3
1500 Niedringhaus	229.71	1920				43
2014 Ohio	394.43	1080	28.2		156.02	32
2018 Ohio	84.12	378	44.2	14.8	38.62	3
2025 Ohio	386.50	4740	40.7		412.37	26
2026 Ohio	77.82	315	15.45	29	35.75	6
1625 Olive	128.56	126	166.22	62.57	23.32	3
1627 Olive	162.43	507	33.15	13.6	111.28	9
1628 Olive	96.36			14.35	105.08	18
1629 Olive	79.95	441	29.05	30.7	70.55	
1631 Olive	155.97	600			38.36	16
1633 Olive	47.78	344			60.63	
1637 Olive	135.60	375	96.45	50.5	56.92	7
1642/44 Olive	25.11	159	15.45	15.15	46.43	
1643 Olive	122.31	315	100.86		67.74	10
1646/48 Olive	33.02	150		28.45	11.62	1
1651 Olive	59.09		75.2			
1717 Olive	67.74	720	44.65	13.7		15
1719 Olive	16.83	127			10.91	
1720 Olive	71.43	378		12.83	11.11	8
1724 Olive	117.27	252	15.37	13.6	45.68	10
1725 Olive	138.80	698.5	18.7	15.35	46.65	12

1728 Olive	109.22	381	14.95	13.6	28.37	10
1738 Olive	55.26	94	30.6			3
1740 Olive	55.66	188	14.9	41.91	10.77	3
1744 Olive	73.14	189			46.15	5
1748 Olive	56.28	190.5	15.05	15.55	11.69	2
1750 Olive	82.18	159	18.7	15.35	46.65	12
1021 Reynolds	317.66	990		13.85	216.56	18
1130 Reynolds	49.99	120	14.7		11.94	7
2009/13 Rock	219.76	180	177.92		12.02	8
615 Salveter	137.55	444.5	14.6	30.4	135.72	11
619 Salveter	124.82	819		15.15	19.75	8
1638 Spruce	113.32	480	14.85			12
1642 Spruce	123.64	360	120.02		54.62	6
1720 Spruce	160.70	381	81.65	14.35	22.54	9
1728 Spruce	114.11	420	30.45	14.2	12.53	8
1734 Spruce	70.40	420	29.95	14.4	10.53	5
1740 Spruce	50.73	420			10.57	2
816/916 State	336.42	1920	42.3	16.3	88.20	40
1102 State	180.39	360	82.37		21.86	12
1106 State	172.12	420	92.1	32.15	92.99	10
1118 State	33.44	240		15.1	12.46	3
1120 State	25.35	120			13.31	3
1310 State	146.70	360	44.15	14.85	40.65	6
1322 State	71.65	189	29.15	30.3	34.24	3
1324 State	211.52		268.65	30.3		4
1700 State	266.93		174.9	30.3		12
1704/06 State	185.40		221.05			10
1710 State	102.05	31.5	133.2		3.08	
1712 State	65.87		97.15	69.5		
1716 State	64.23		85.55	27.8		
1930 State	111.55		164			
2117 State	109.94	420	57.4	27.45	17.34	7
2118 State	164.45	1200	21.85			19
2119 State	79.57	420				6
2121 State	94.92	240	27.7	13.9		11
2123 State	76.36	300			9.34	5
2132 State	61.73	360	42.7		6.15	1
2134 State	31.25	180	15.23			7

2138 State	103.95	540	44	15.1		10
2146 State	191.02	420	14.15	15.05		10
2147/49 State	52.38	180	26.4	14.15		3
2153 State	34.78	240	14.2			3
2155 State	80.93	180	13.05	15.25		2
2158 State	58.98	360	14.65			7
2162 State	50.47	480	28.25	12.4		13
2200 State	116.52	300				9
2204/06 State	56.35	120		13.1		6
2228 State	12.99	180			23.65	
2230 State	19.92	240			56.68	
2239 State	68.02	450	29.1	15		6
2247 State	78.04	504	14.95			12
2251 State	67.05	189	28.75	12.6		5
807 Washington	29.96	240	15.5			1
809 Washington	26.58	180	15.1	13.9		3
811 Washington	35.91	180			12.48	2
919/21 Washington	88.46	540			38.87	7
1300/02 Washington	172.48	800			95.38	10
1307/09 Washington	229.05	540	31.65	15.55	349.75	
1317 Washington	76.92	190.5	49.05	15.1	25.09	4
1319 Washington	72.55	159	31.85		34.79	6
1321 Washington	17.48	126				2
1323 Washington	61.18	180	13.15		26.49	5
1325 Washington	38.30	240	12.15		18.10	2
1400/02 Washington	123.90	283.5	13.95	27.7	62.38	6
1405 Washington	201.25	1079.5		40.2	197.93	17
1411 Washington	142.83	378	35.6	29.75	41.95	10
2008 Washington	43.70	180		29.75	9.83	2
2020 Washington	95.74	254	43.75	15.35	13.40	4
2022 Washington	102.93	252	30.36	29.75	22.63	6
2026 Washington	58.40	222	43.35	14.05	13.69	2
2030 Washington	59.75	240	15.4	15.25	13.92	3
2034 Washington	55.20	240	14.25		15.32	4
2036 Washington	25.40	60			4.38	3
2038 Washington	56.87	300	14.26		25.08	4
2104 Washington	47.74	150	31.9	15.65	10.98	1
2108 Washington	117.78	330	74.26		45.04	4

2114 Washington	56.98	320		14.05	24.22	2
1518/20 12th	82.38	300		14.6		8
1920 12th	46.78	360	13.95	12.55		4
2502 W.20th	234.97	889	29.05		165.61	17
2504 W.20th	43.45	120	35.15		21.45	
2504 1/2 W.20th	61.39	190.5	31.85		13.45	3
2506 W.20th	126.86	570	43.32		12.15	9
2508 W.20th	136.00	254	57.95	59.35	94.80	6
2610 W.20th	38.10	180	41.5	14.15		2
1104 21st	26.95	60	32.85	15		
1423 22nd	43.11	120	15	13.45		2
1510 23rd	32.69	60	29.5	16.85		2
Total:	45278.42	175405.00	15194.36	6127.98	14865.06	2805.00

6.0 VERIFICATION ANALYTICAL SUMMARY TABLE

6.1 Stack Emission Sites

Stack emission sites were not sampled for verification. This was due to the fact that a predetermined depth for excavation was given to OHM by USACE for each stack emission site.

Stack emission sites are sampled for pre-characterization analysis. Depth's from Woodward/Clyde Sampling are being reviewed by the USEPA and may result in re-sampling.

7.0 PHOTO REPRESENTATION

Photographs and videocassettes documented all sites in all phases of the Granite City project. Each property was documented with before, during, and after photographs and videos. The following sections are representative of the various types of work performed during Phases 1, 2, and 3. Not all properties - only selected representative samples - are presented in this final report, in order to minimize the volume of paper.

2222 Cleveland (Page 7-2)

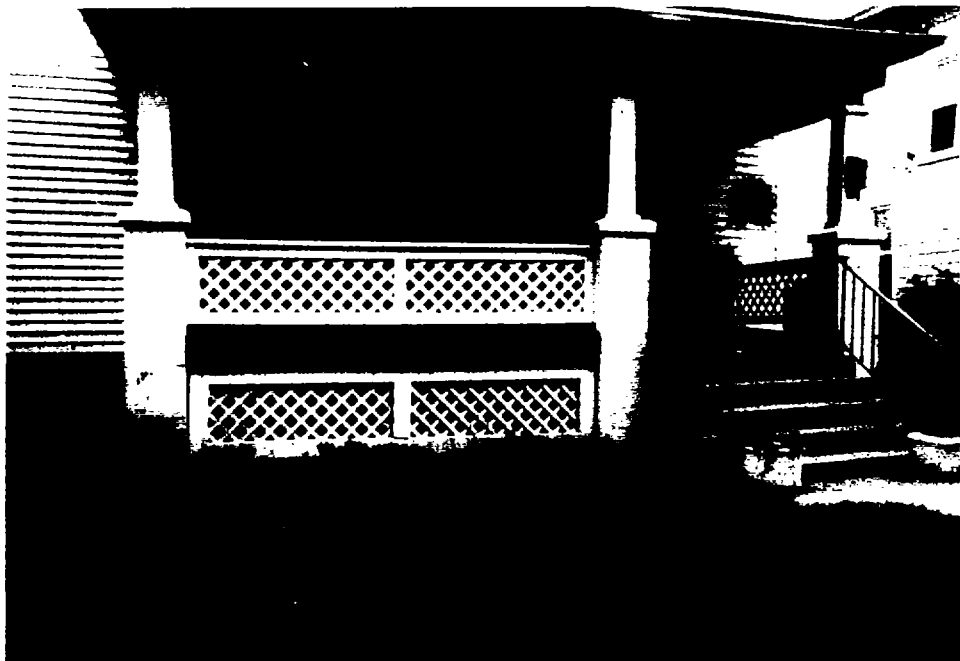
Top picture - Lot before excavation
Middle picture - Lot during excavation
Bottom picture - Lot after restoration/sod

1703 Elizabeth (Page 7-3)

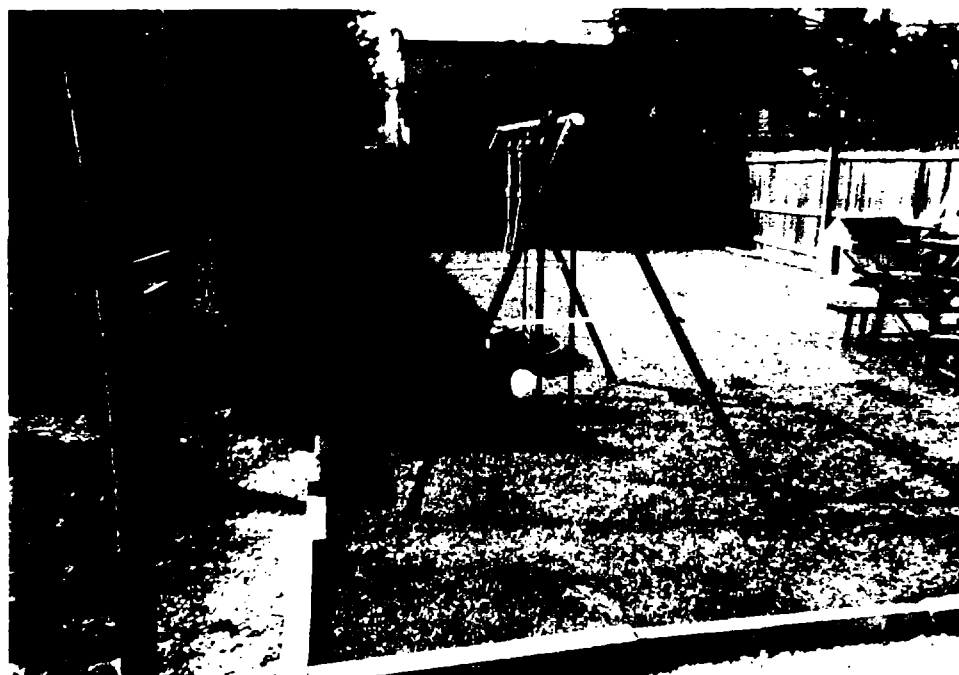
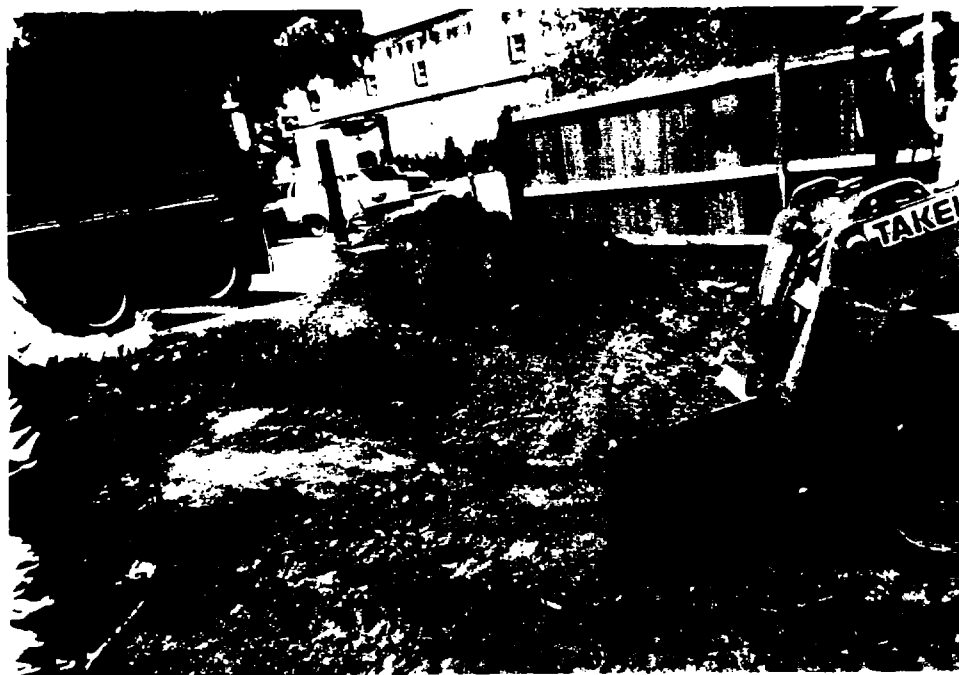
Top picture - Lot before excavation
Middle picture - Lot during excavation
Bottom picture - Lot after restoration/sod

1231 Iowa (Page 7-4)

Top picture - Lot before excavation
Middle picture - Lot during excavation
Bottom picture - Lot after restoration/sod





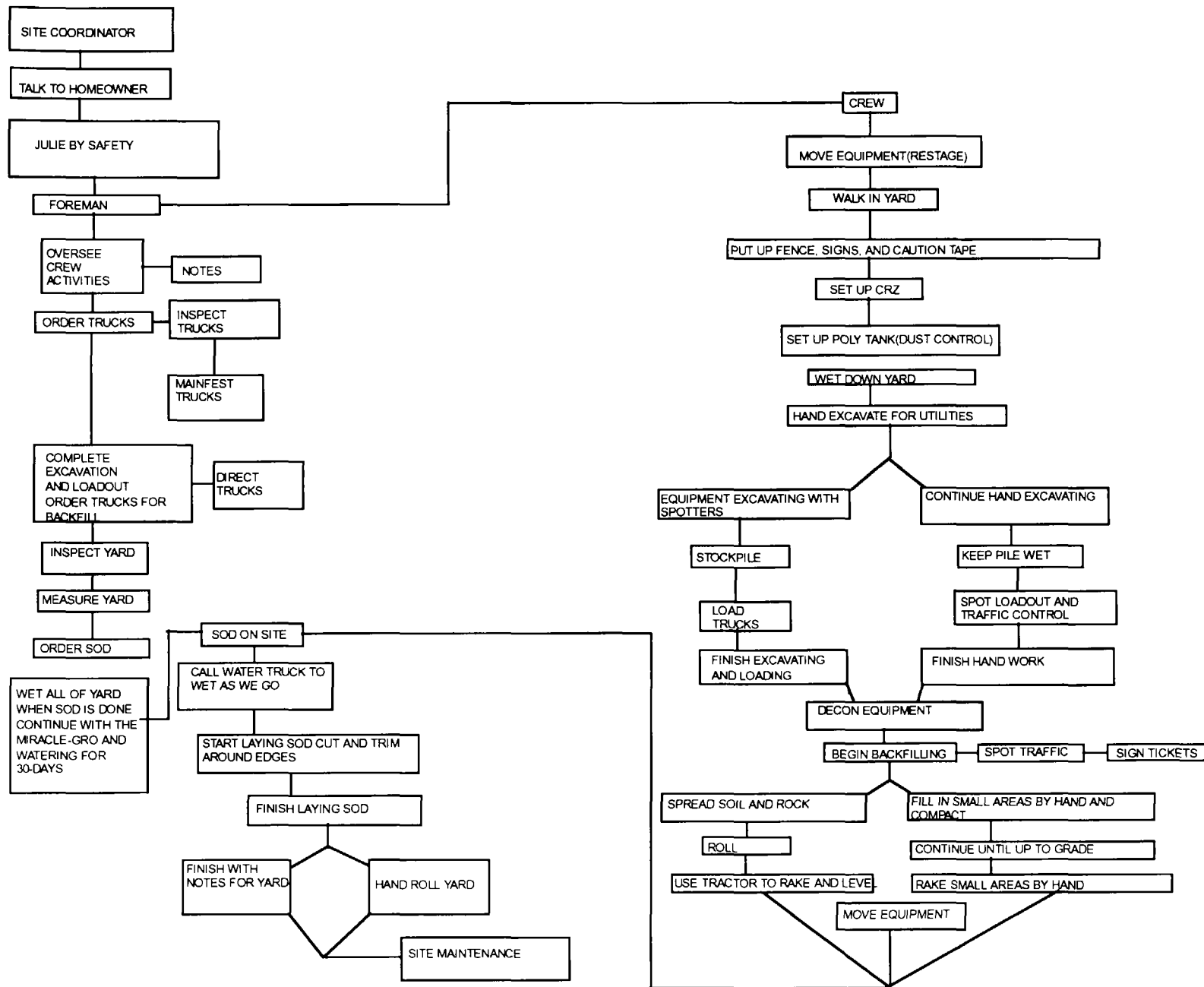


APPENDIX A

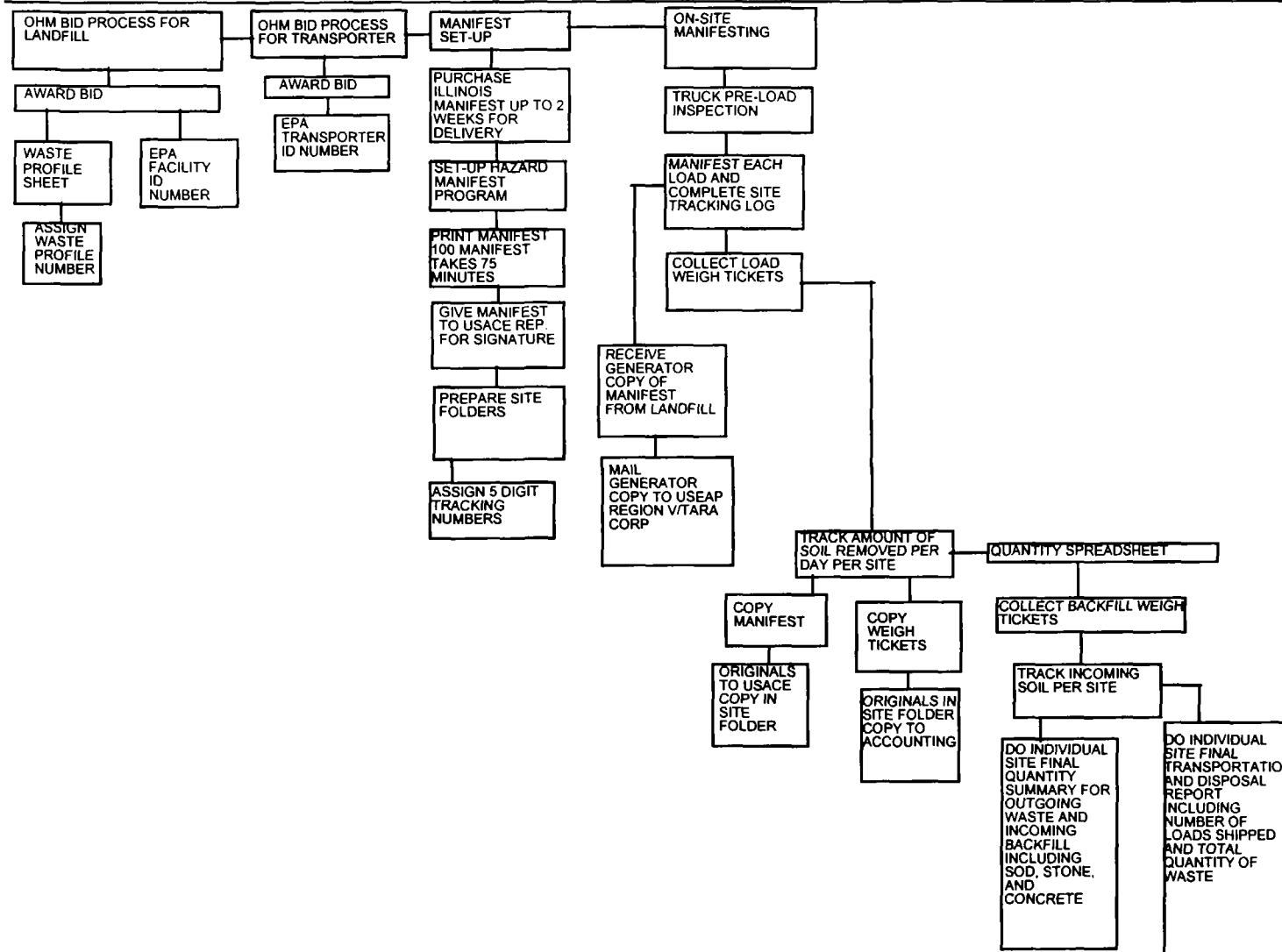
FLOW CHARTS

<i>APPENDIX A-1</i>	<i>OPERATIONS FLOW CHART</i>
<i>APPENDIX A-2</i>	<i>TECHNICAL EFFORT FOR TRANSPORTATION AND DISPOSAL</i>
<i>APPENDIX A-3</i>	<i>TECHNICAL EFFORT FOR SAMPLING</i>
<i>APPENDIX A-4</i>	<i>SITE COORDINATOR FLOW CHART</i>

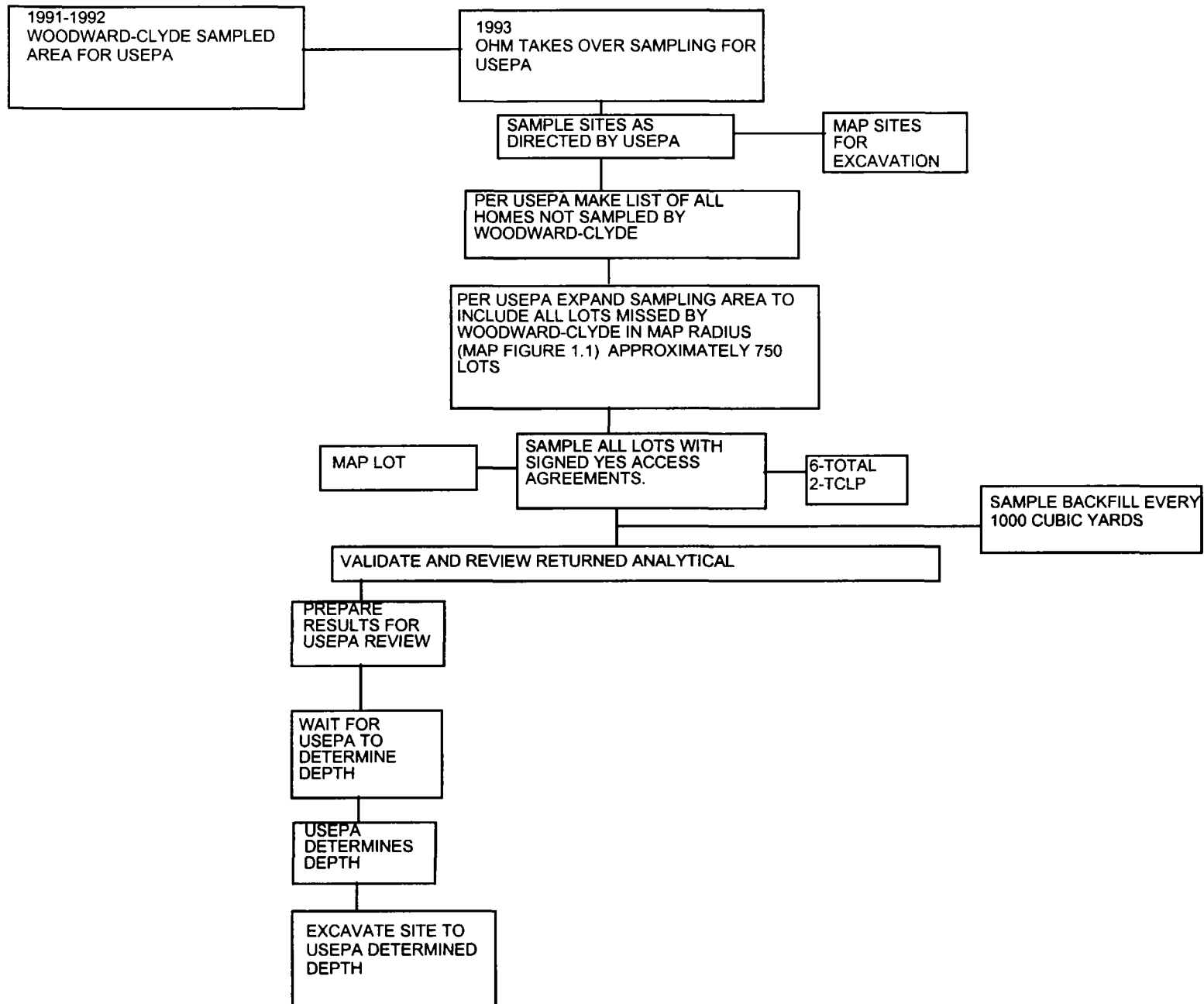
OPERATIONS FLOW CHART



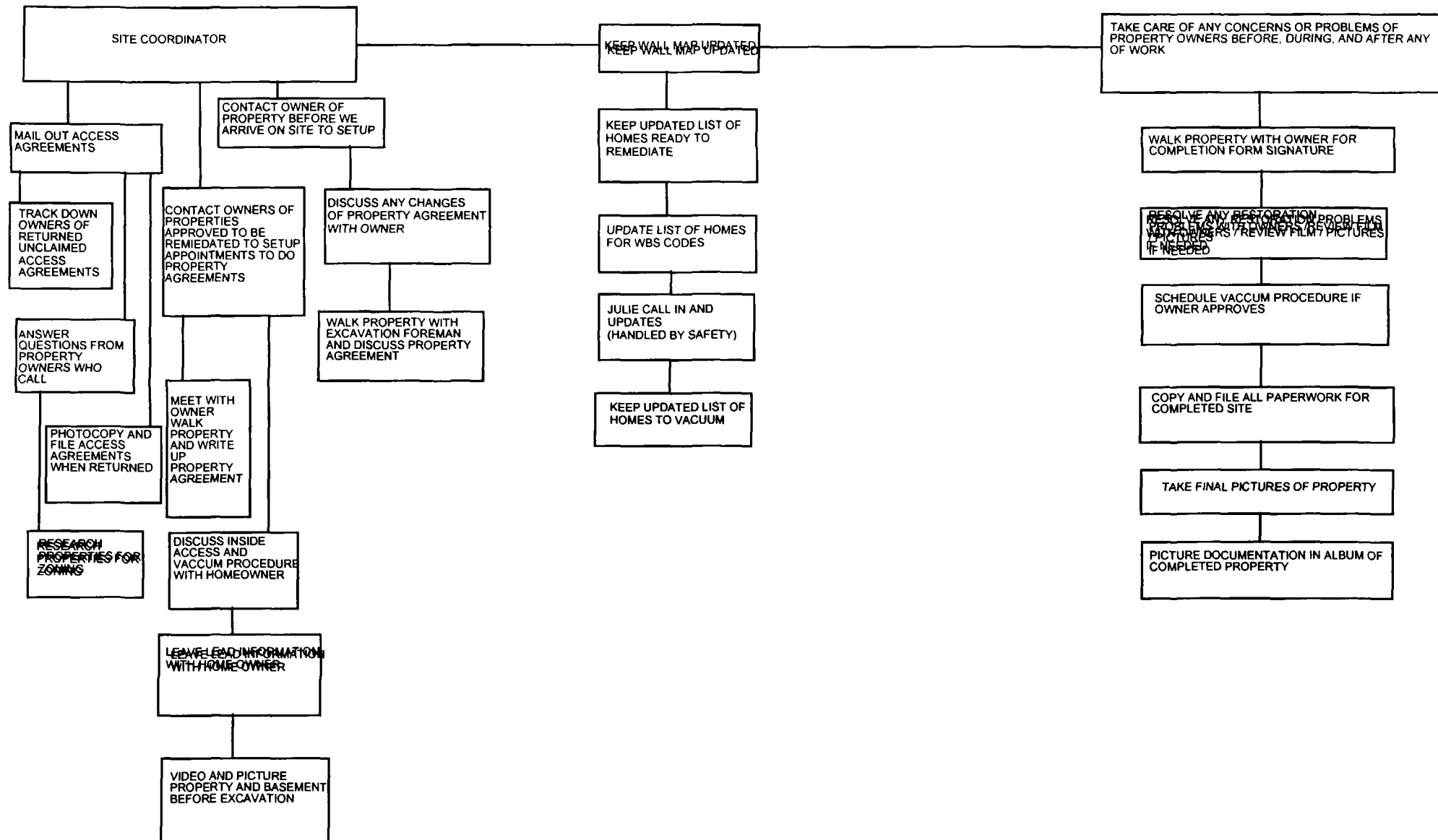
TECHNICAL EFFORT FOR TRANSPORTATION AND DISPOSAL



TECHNICAL EFFORT FOR SAMPLING



SITE COORDINATOR FLOW CHART



APPENDIX B – REMEDIAL LOCATION WORK DESCRIPTIONS

APPENDIX B - REMEDIAL LOCATION WORK DESCRIPTIONS

1920 Adams	2024 Benton	1723 Chestnut
1924 Adams	2028 Benton	1753 Chestnut
1928 Adams	2040 Benton	1753 Chestnut
2034 Adams	2109 Benton	1929 Cleveland
2100 Adams	2113/15 Benton	1935 Cleveland
2108/10 Adams	2117 Benton	1939 Cleveland
2114 Adams	2119 Benton	2006 Cleveland
2116 Adams	2120/22 Benton	2026 Cleveland
2120/22 Adams	2121 Benton	2028 Cleveland
2132/34 Adams	2123 Benton	2029 Cleveland
2144/46 Adams	2124/26/28 Benton	2055 Cleveland
2148 Adams	2129/31 Benton	2057 Cleveland
2156 Adams	2133/35 Benton	2056/58 Cleveland
2158 Adams	2137/39 Benton	2100 Cleveland
2160 Adams	2138 Benton	2110 Cleveland
1022 Alton	2140/42 Benton	
1026 Alton	2153/55 Benton	
1911 Benton	2158 Benton	
1915/17 Benton	2165 Benton	
1916 Benton	2222 Benton	
1919/21 Benton	2226 Benton	
1920 Benton	2228 Benton	
1922 Benton	2231 Benton	
1923 Benton	2240 Benton	
1924 Benton	2248 Benton	
1925/27 Benton	2250 Benton	
1926 Benton	2252 Benton	
1928 Benton	2254 Benton	
1930 Benton	2256 Benton	
1932 Benton	2013/15 Bryan	
1934 Benton	2023 Bryan	
1936 Benton	2027 Bryan	
1937 Benton	2029/31 Bryan	
1940 Benton	2037 Bryan	
1941 Benton	2103 Bryan	
1943 Benton	1715 Chestnut	
2020 Benton	1718/20 Chestnut	

1920 Adams

Action Date: 6/24/97

Loadout: 6/25/97

Restoration Begins: 6/26/97

Restoration Completed: 7/12/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 113.96 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Keeven sod farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1920 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
155.18		268.27	46.2	28.84		960		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1920 Adams 590 580

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

418 63

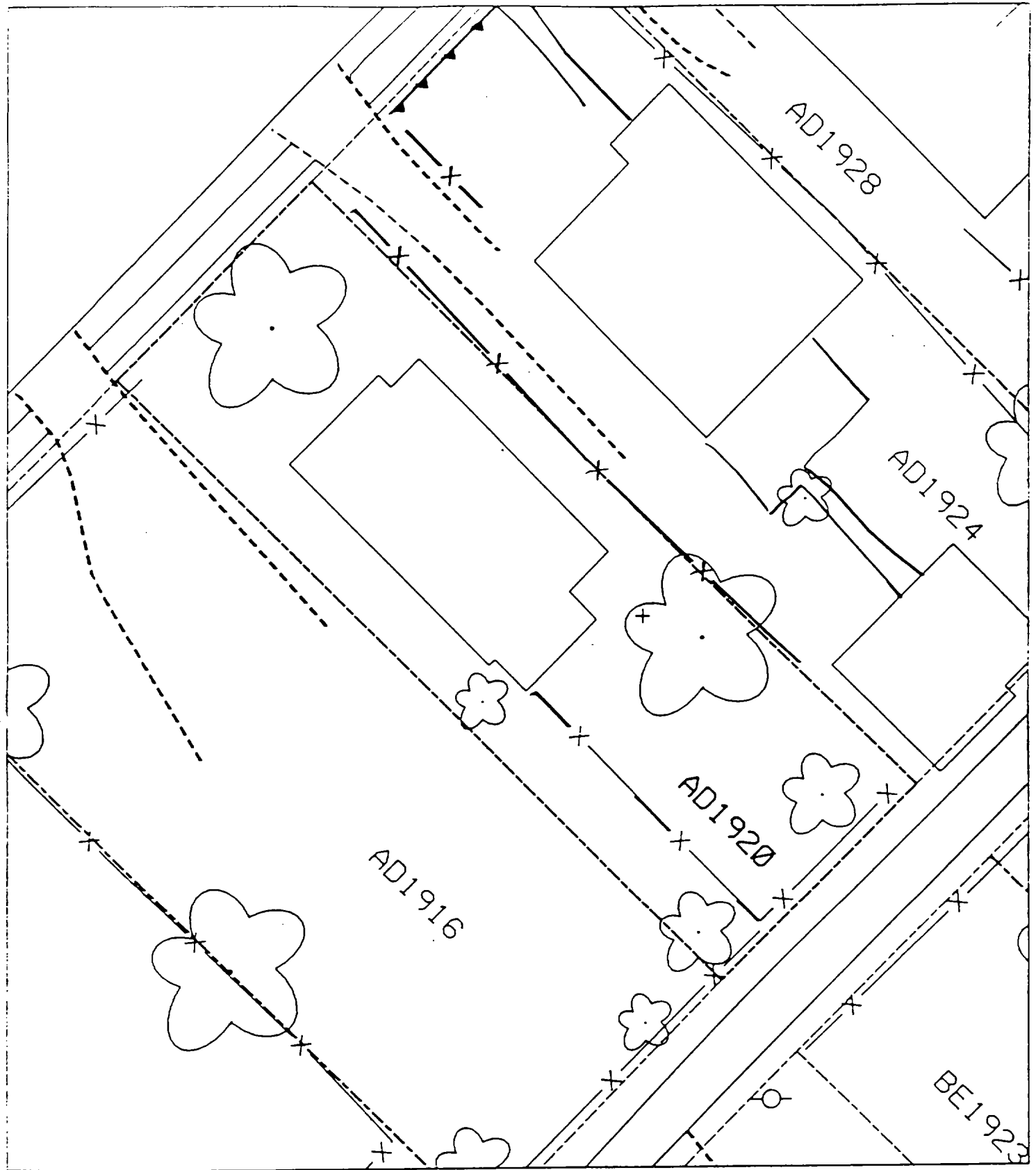
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

193 40

Depth
Excav.
(inch)

3



)

)

)

1924 Adams

Action Date: 12/8/97

Loadout: 12/8/97

Restoration Begins: 12/11/97

Restoration Completed: 12/19/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 101.13 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1924 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
115.86	6	19.18	44.75	14.6		420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1924 Adams **635** **1223**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

460 **582**

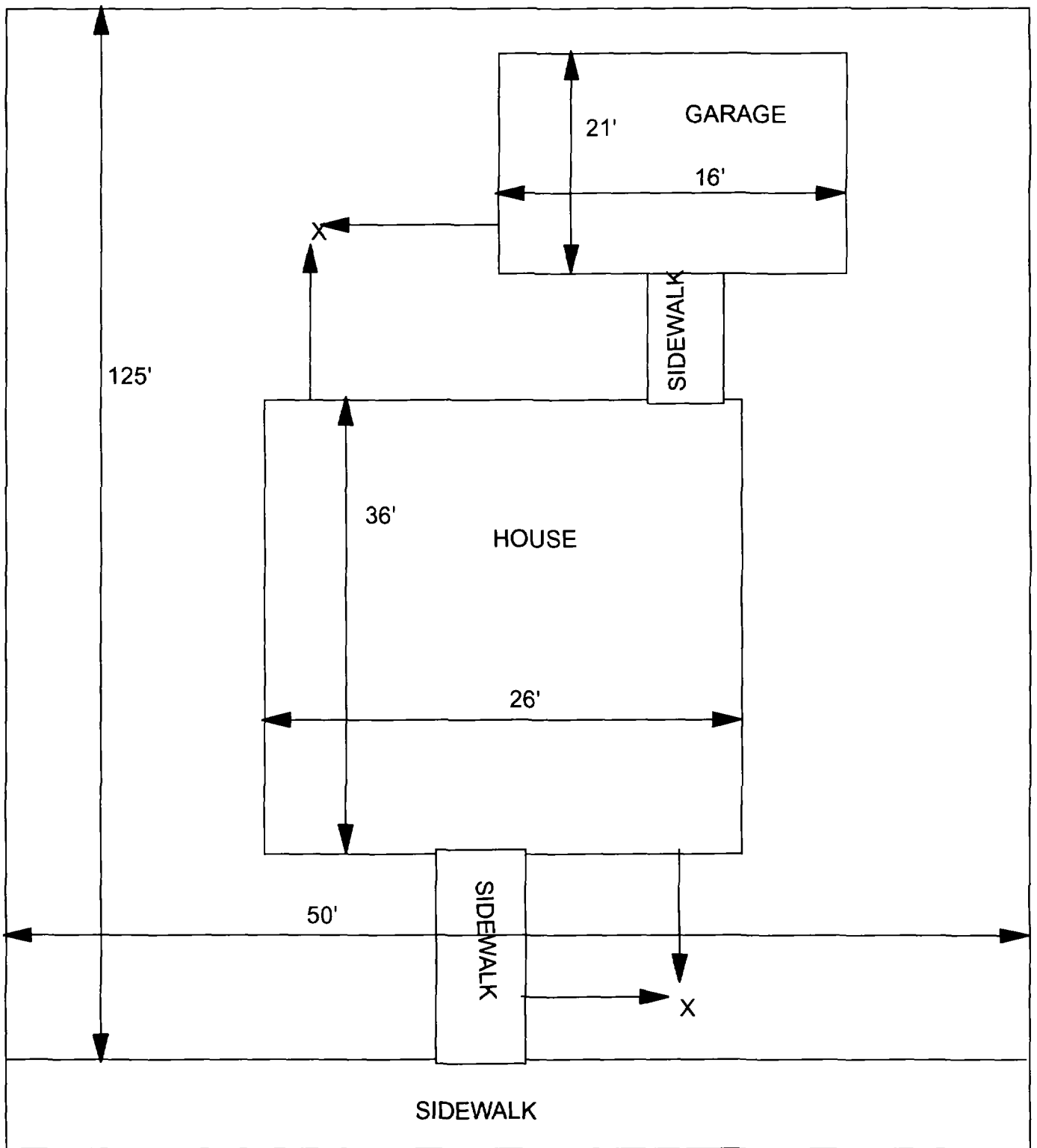
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

286 **549**
97 324
85 **848**

Depth
Excav.
(inch)

12



X = SAMPLE POINT

1924 ADAMS
50' X 125'

OHM Corporation
Findlay, Ohio

Drawn By: **EDJ**

Checked By:

Date: **7/29/98**

Approved By:

Scale: **NTS**

Drawing No:

()

)

()

1928 Adams

Action Date: 7/17/97

Loadout: 7/17/97

Restoration Begins: 7/21/97

Restoration Completed: 8/4/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 89.12 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1928 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
115.86	6	19.18	44.75	14.6		420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1928 Adams **530** 353
 361 **600**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

558 280
 259 **577**

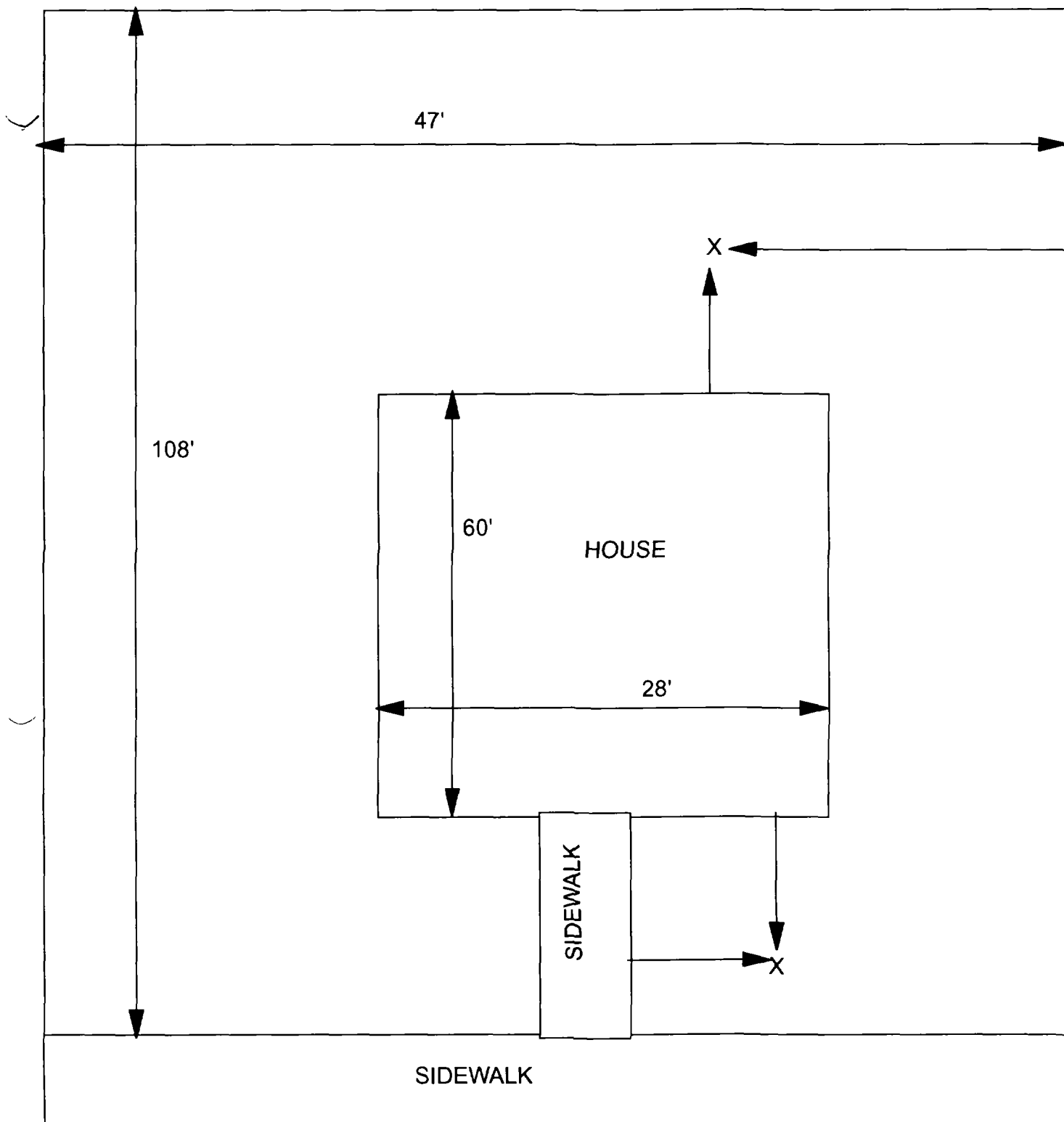
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

915 25
 145 223
 324 349

Depth
Excav.
(inch)

6



X = SAMPLE POINT

1928 ADAMS
47' X 108'

OHM 
Corporation
Findlay Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

Action Date: 4/21/98

Loadout: 4/24/98

Restoration Begins: 4/24/98

Restoration Completed: 5/14/98

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 301.14 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Schneider-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

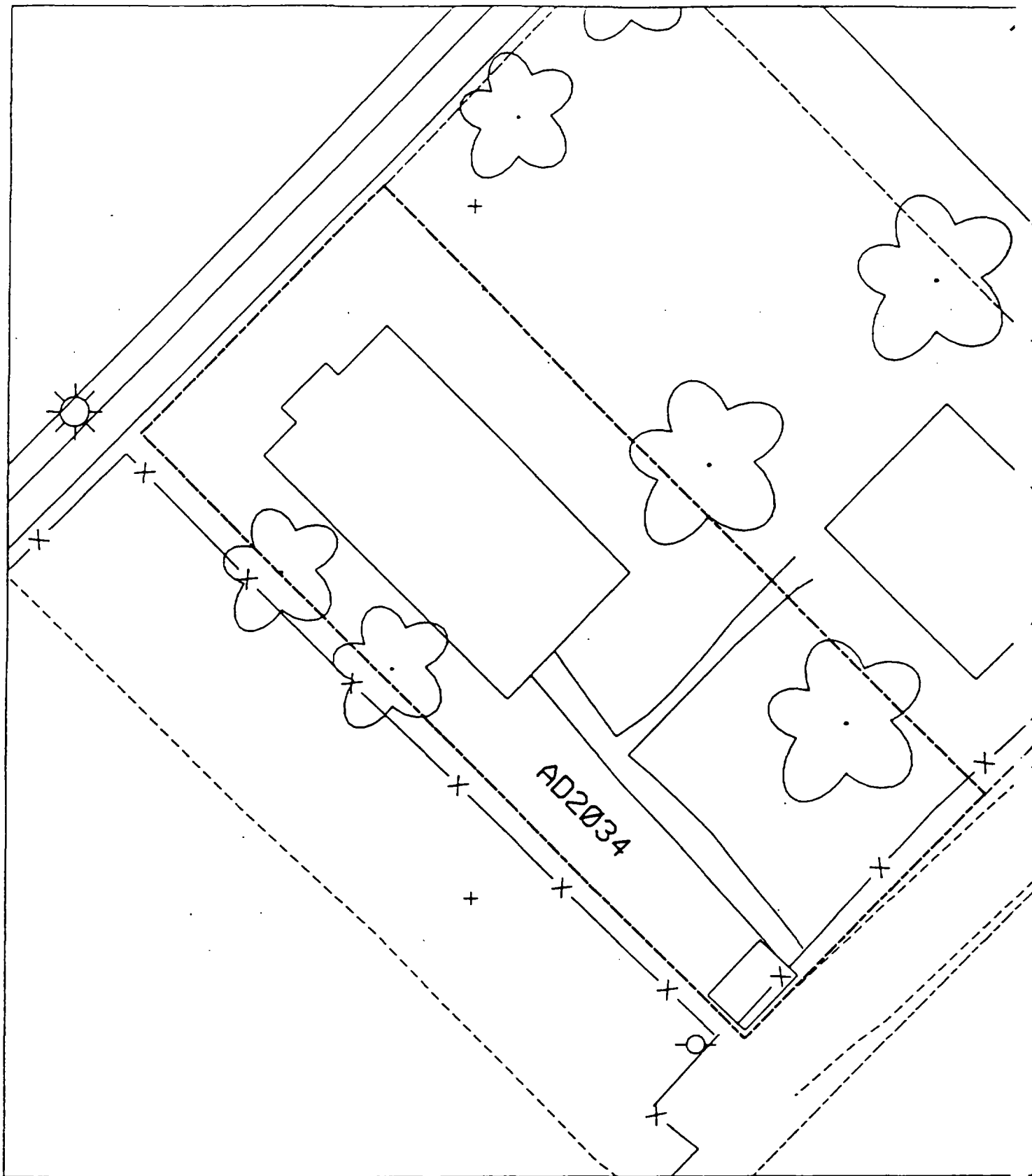
QUANTITY SUMMARY FOR

2034 Adams

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
391.84	35	60				1260		

**Sampling Analysis
Project #19531**

Street/Number Address	0 - 3" Front and Back			3-6" Front and Back			6-12" Front and Back			Depth Excav. (inch)
	A	A	A	B	B	B	C	C	C	
	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	
2034 Adams	264	227		223	217		183	119		12
	160	750		133	8398		87	7043		
	193	774		191	668		158	536		



2

2

2

2100 Adams

Action Date: 10/16/97

Loadout: 10/20/97

Restoration Begins: 10/20/97

Restoration Completed: 11/4/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 319.25 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2100 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
415.03	15	103.98	54.8	26.7		840		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2100 Adams **586** **872**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

436 **882**

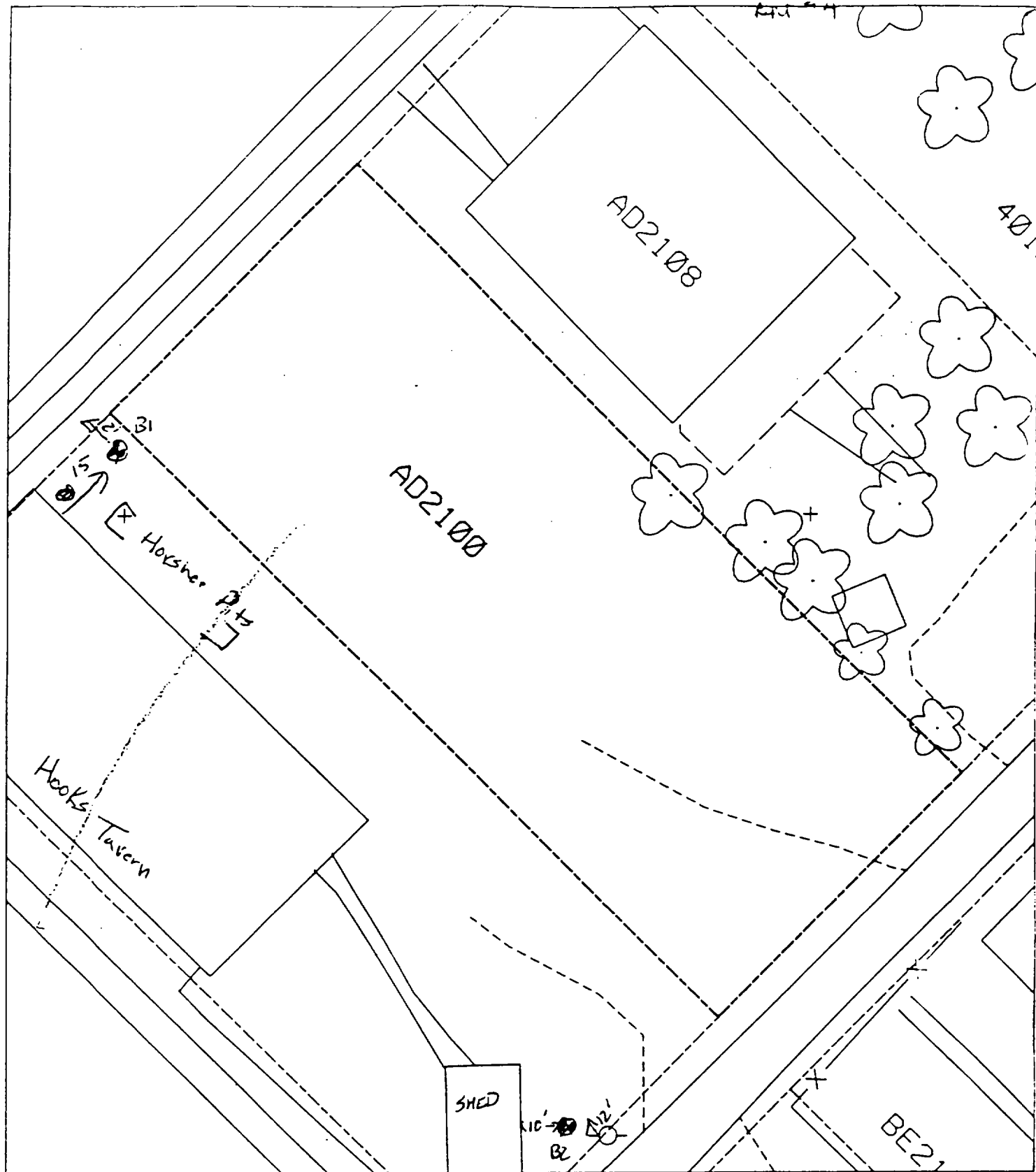
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

236 **843**
519 65

Depth
Excav.
(inch)

12



B1 15' from bar
12' from sidewalk

B2 10' from shed
12' from PP

1

2

3

Action Date: 9/16/97

— Loadout: 9/18/97

Restoration Begins: 9/23/97

Restoration Completed: 10/8/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 36.34 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2108/10 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
47.25		26.7	14.65			240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2108/10 Adams 135
 538 471

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

182
245 208

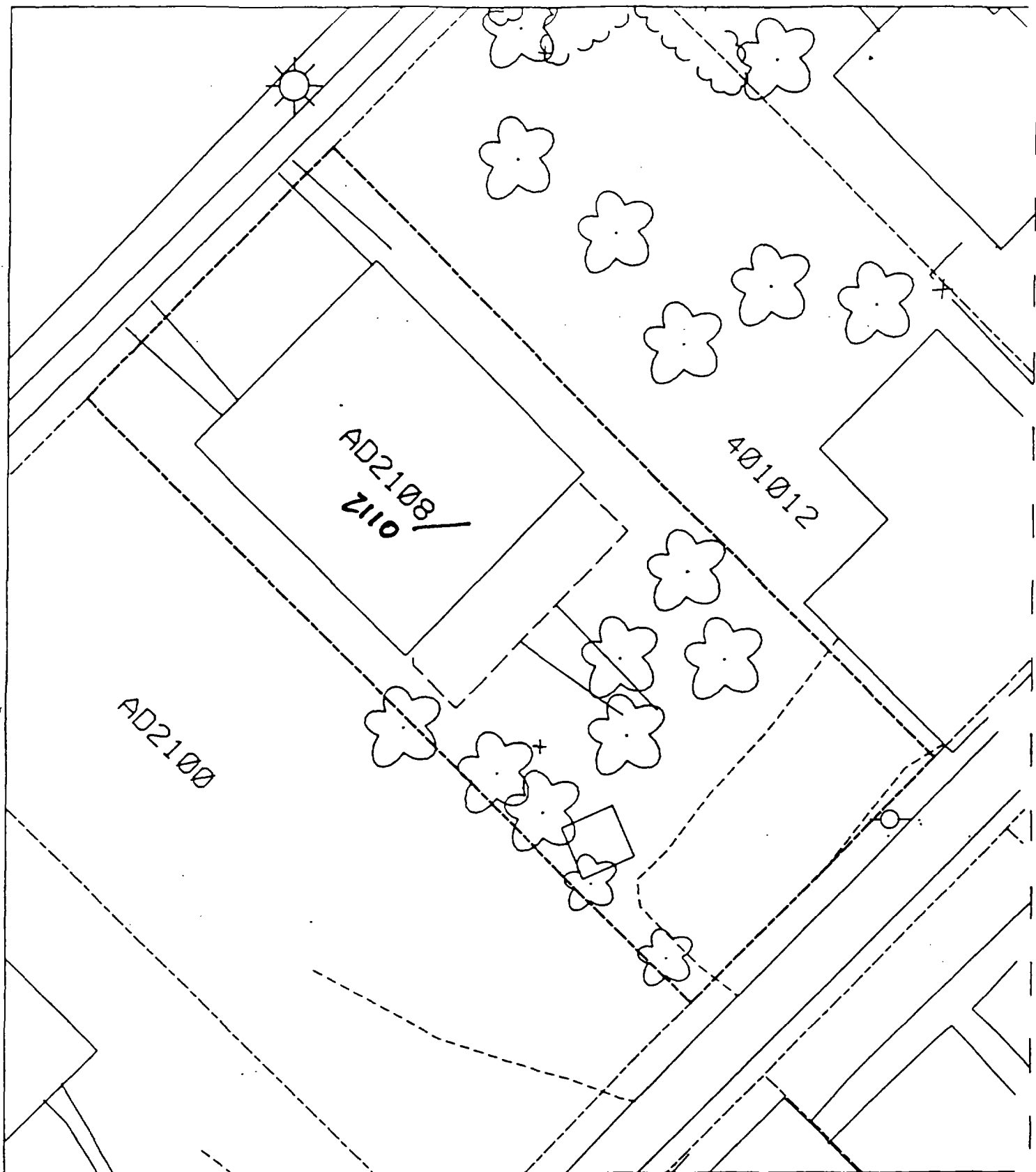
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

97
99 108

Depth
Excav.
(inch)

3



—

—

(

2114 Adams

Action Date: 9/18/97

Loadout: 9/20/97

Restoration Begins: 9/20/97

Restoration Completed: 10/8/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 77.70 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2114 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
101.01	5	53.38	57.95			600		

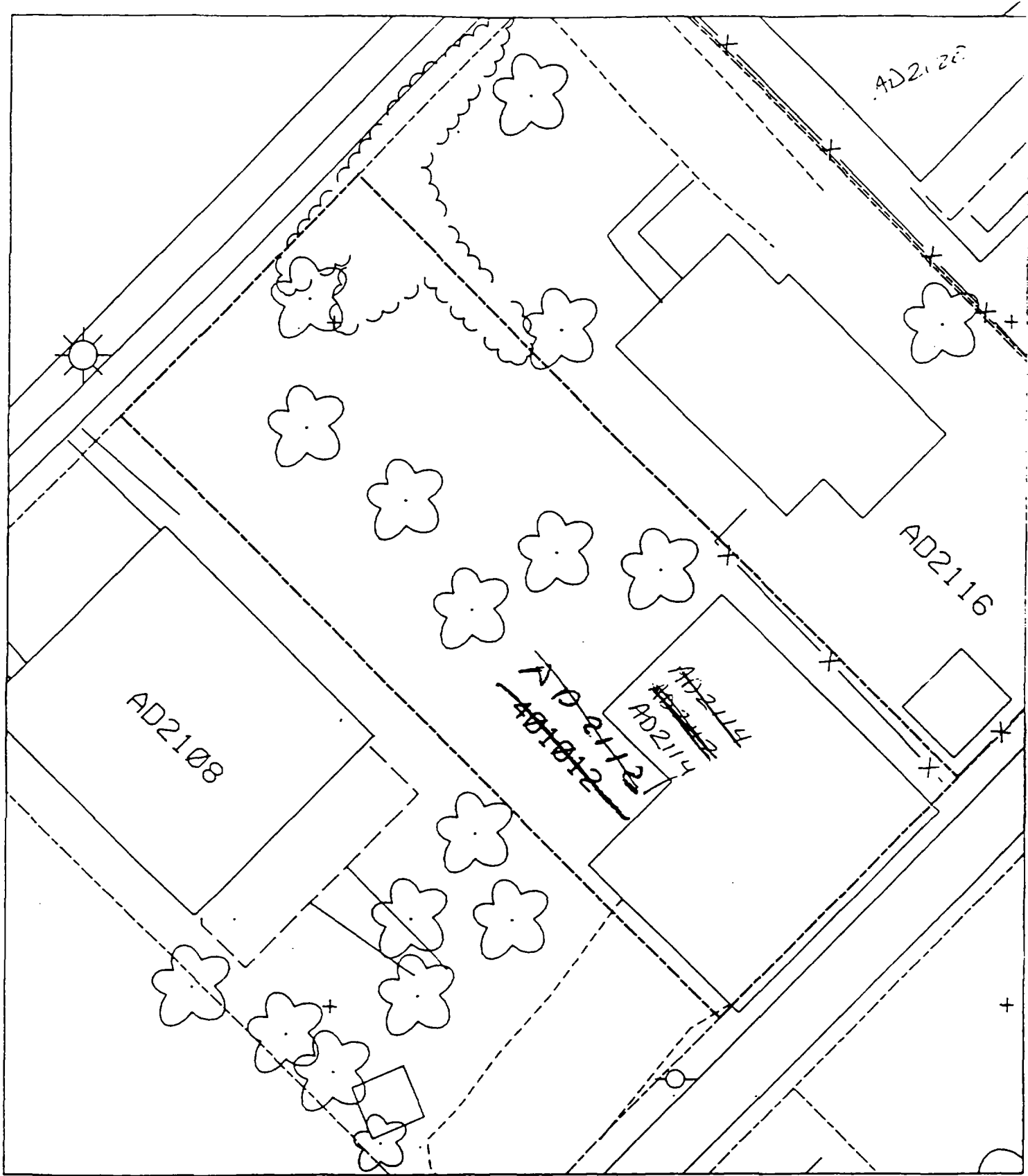
Sampling Analysis
Project #19531

0 - 3" Front and Back			
	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.
2114 Adams	268	914	

3 - 6" Front and Back		
B	B	B
PPM	PPM	PPM
No.	No.	No.
198	670	

6 - 12" Front and Back		
C	C	C
PPM	PPM	PPM
No.	No.	No.
29	634	

Depth
Excav.
(inch)
12



AD2116 19-13-20-401-013 WTBO
 E/2110 401-011 LOT 322
 401-010 LOT 33 No
 sheet

2

2

2

Action Date: 9/24/97

Loadout: 9/26/97

Restoration Begins: 9/26/97

Restoration Completed: 10/8/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 146.81 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2116 Adams

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
190.86	26	135.73	13.79	28.35		360		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2116 Adams 241 339

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

240 184

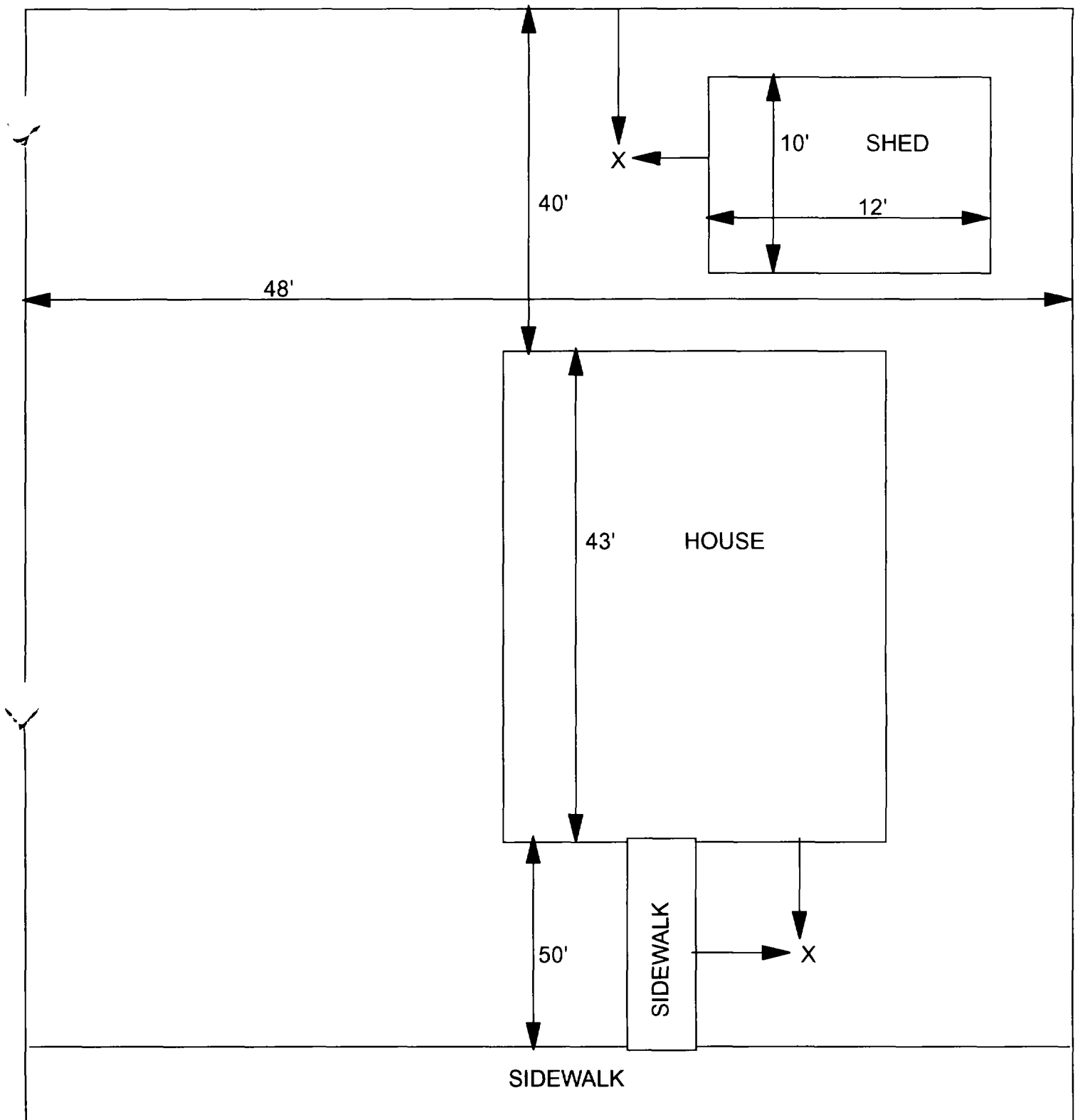
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

154 **637**
 239 **2031**

Depth
Excav.
(inch)

12



X = SAMPLE POINT

2116 ADAMS
48' X 133'

OHM 
Corporation
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

Action Date: 4/17/97

Loadout: 4/17/97

Restoration Begins: 4/18/97

Restoration Completed: 5/14/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 103.30 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2120/22 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
134.3	8	91.04				420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2120/22 Adams **639** **715** **1020**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

465 496 **1080**

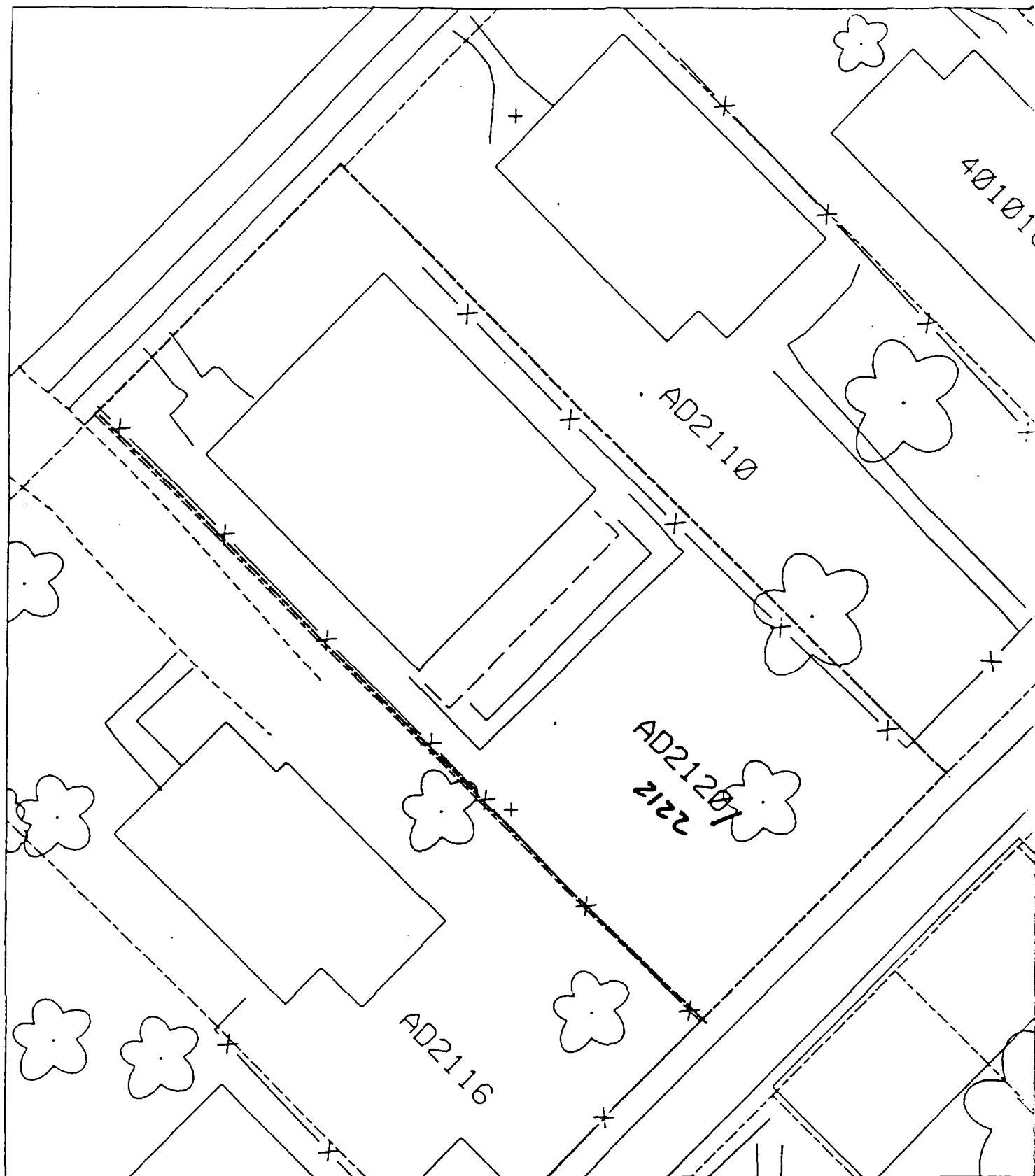
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

454 **717** 436

Depth
Excav.
(inch)

12



Action Date: 4/28/97

Loadout: 4/29/97

Restoration Begins: 4/30/97

Restoration Completed: 5/15/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 86.65 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2132/34 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
112.65	7	44.82	56.48	14.27		300		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2132/34 Adams **547** **2650**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

434 454
623 **1405**

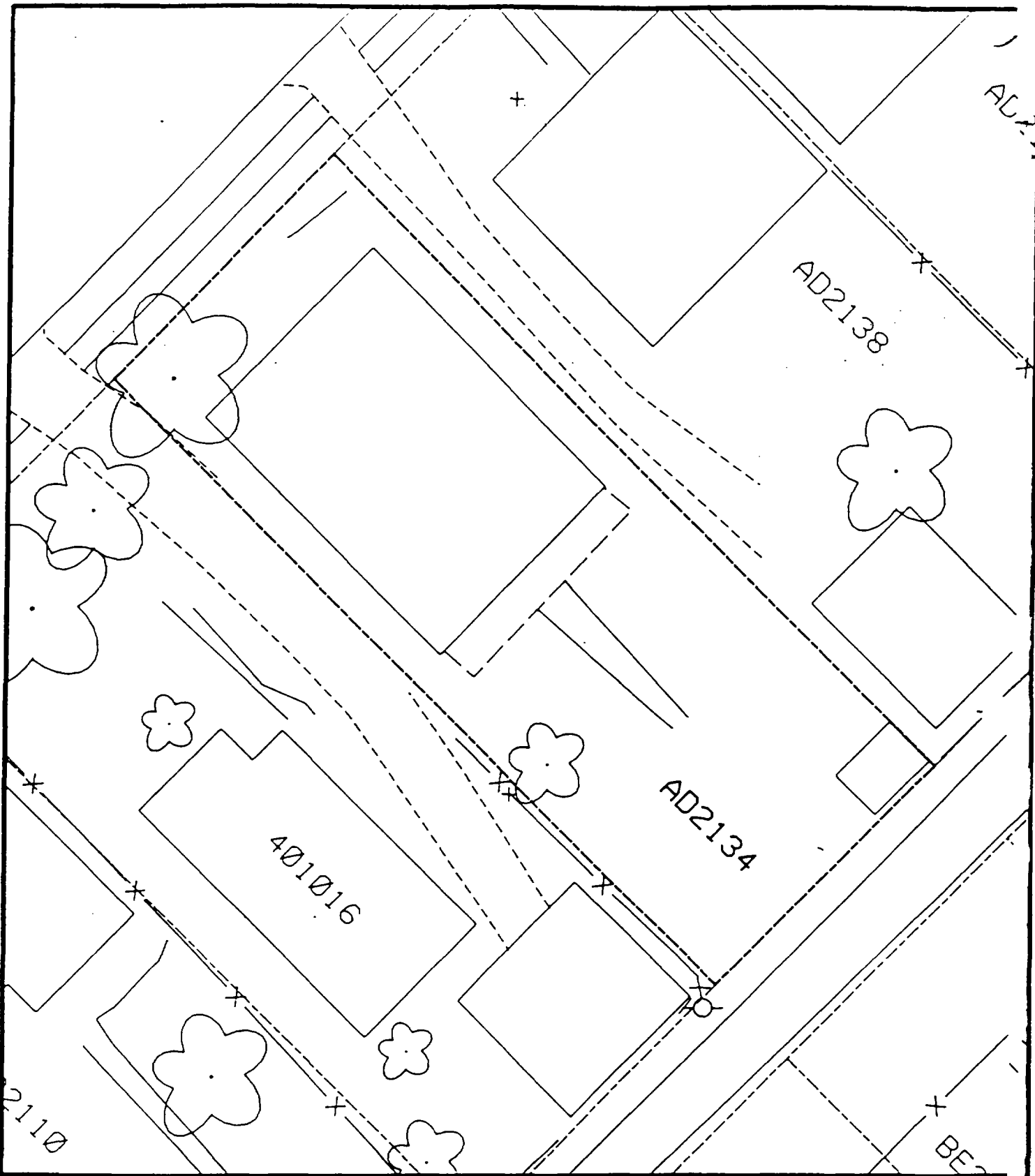
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

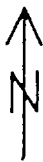
535 152
488 **1071**

Depth
Excav.
(inch)

12



Comments: _____



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MC114'

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2134 ADAMS ST.

Resident ID No.

AD2134

1

2

3

Action Date: 10/11/97

Loadout: 10/15/97

Restoration Begins: 10/15/97

Restoration Completed: 10/22/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 137.88 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2144/46 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
179.25	10	30.38	40.55	26.95		360		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2144/46 Adams 246 **556**
 3000 **1010**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

126 **606**
 248 221
 238 262

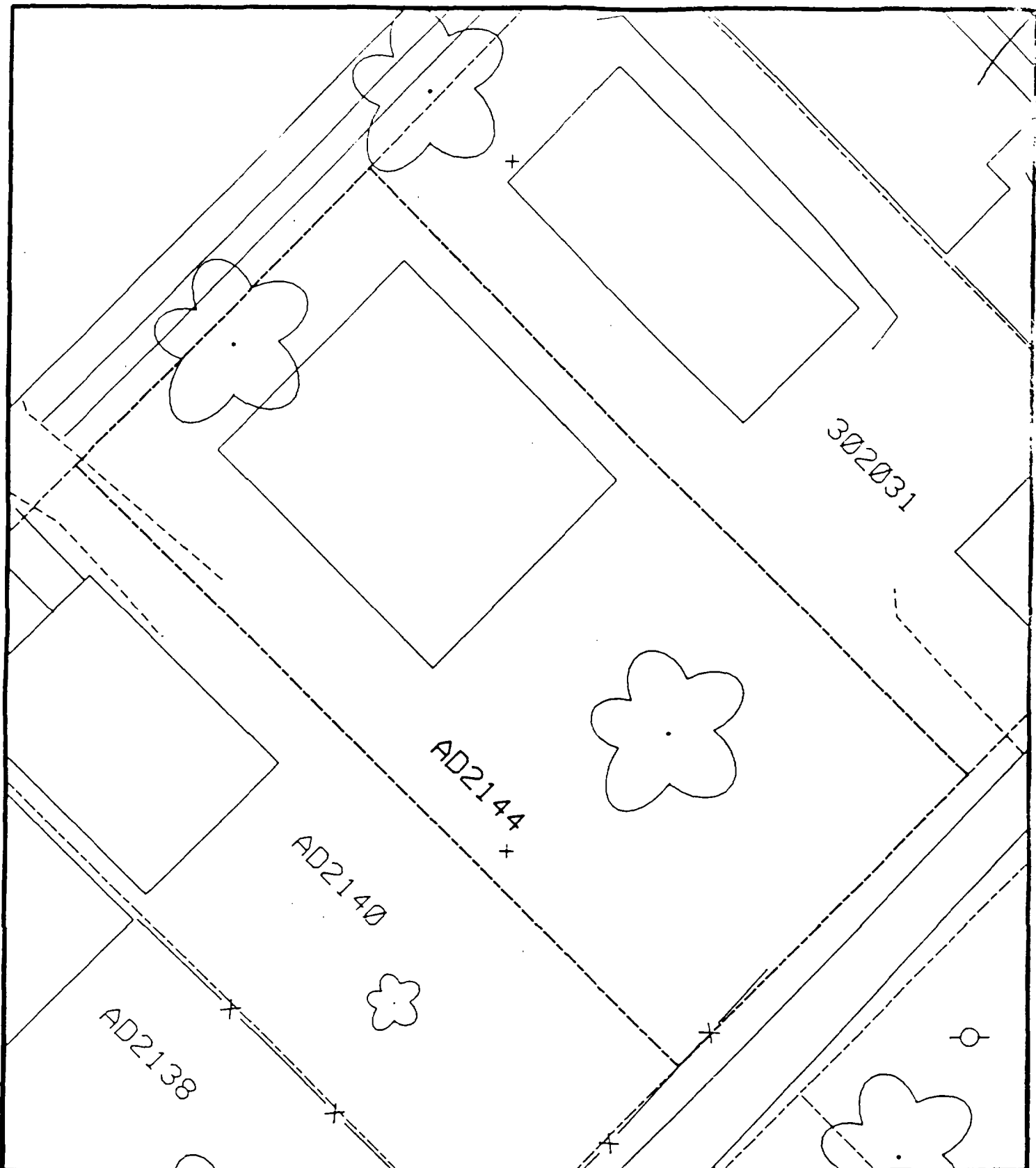
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

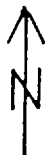
99 **506**
 110 101
 175 **529**

Depth
Excav.
(inch)

12



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2144 ADAMS ST.

Resident ID No.
AD2144

()

()

()

2148 Adams

Action Date: 5/15/97

Loadout: 5/16/97

Restoration Begins: 5/19/97

Restoration Completed: 6/2/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 146.62 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2148 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
190.61	3	34.66	86.9	28.5		270		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2148 Adams **529** **1460**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

269 **1250**
234 240

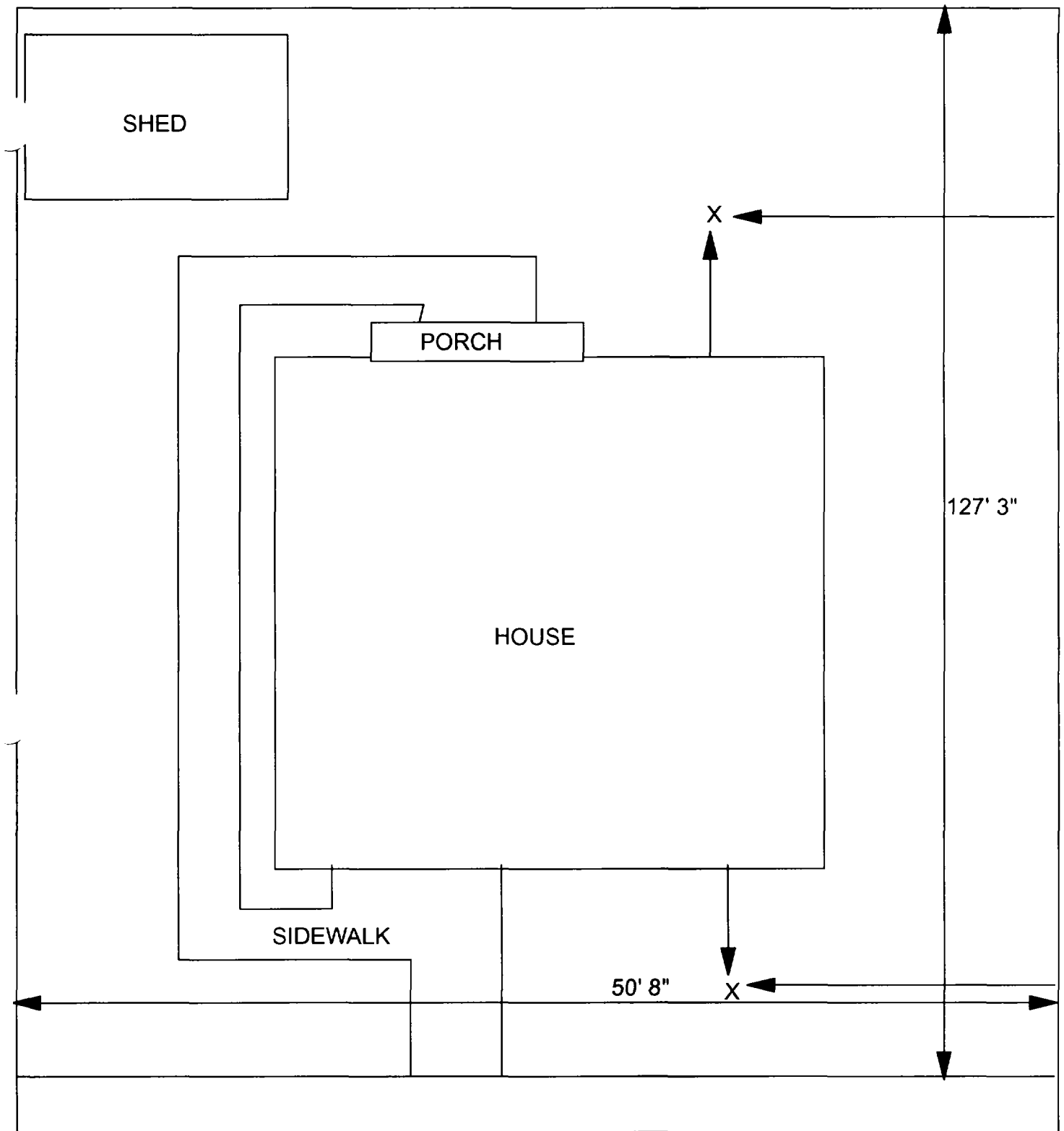
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

68 **1290**
313 **5109**

Depth
Excav.
(inch)

12



X = SAMPLE POINT

2148 ADAMS
50' 8" X 127' 3"

OHM 
Corporation
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

1

2

3

2156 Adams

Action Date: 10/22/97

Loadout: 10/27/97

Restoration Begins: 10/27/97

Restoration Completed: 11/10/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 106.55 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2156 Adams

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
138.52	8	17.82	30.05	28.4		240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2156 Adams **546** 461

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

658 151
602 323

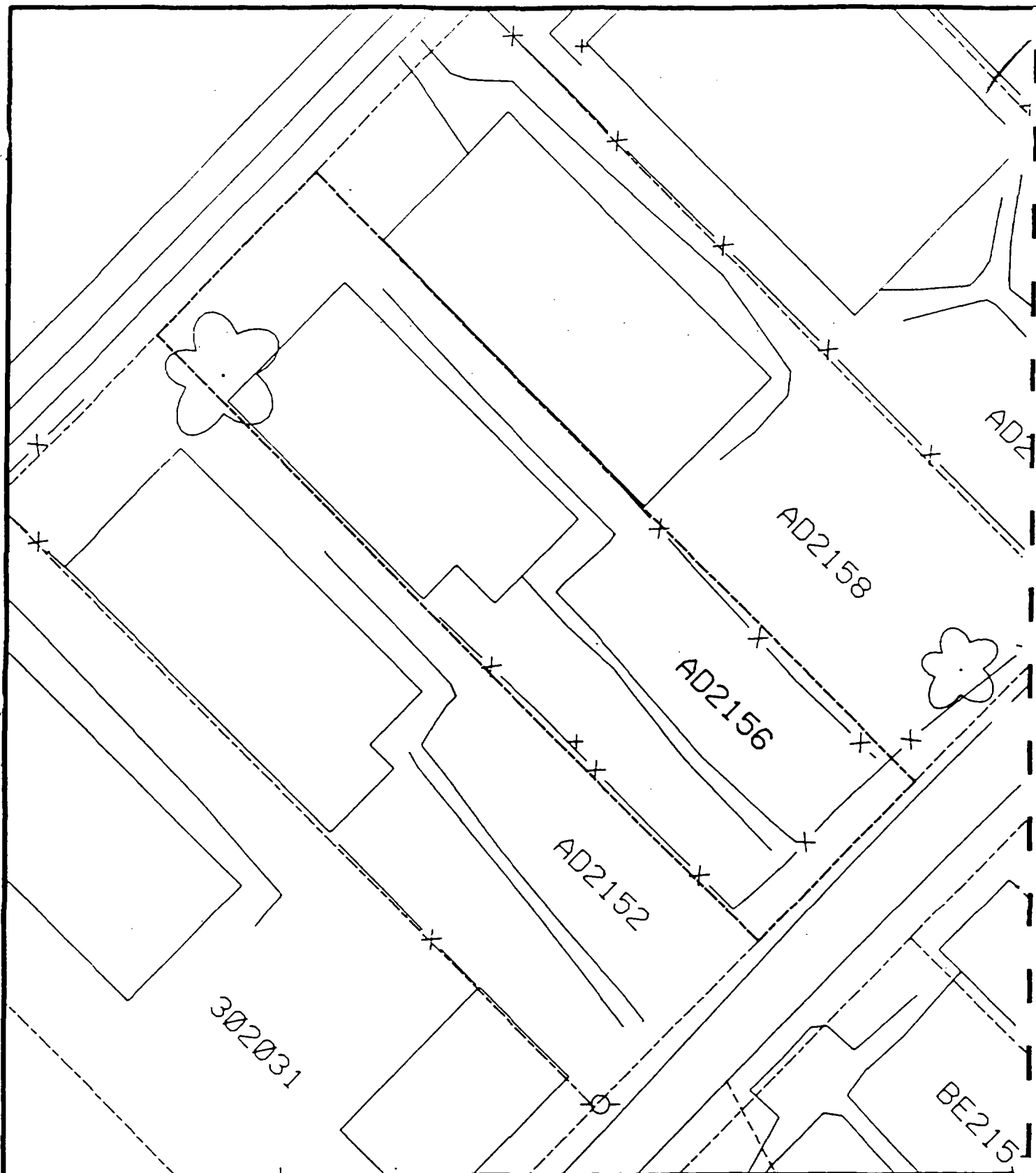
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

651 116
404 158

Depth
Excav.
(inch)

12



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment



DRN. BY:
CHKD. BY:

2156 ADAMS ST.

Resident ID No.
AD2156

1

2

3

2158 Adams

Action Date: 10/22/97

Loadout: 10/23/97

Restoration Begins: 10/27/97

Restoration Completed: 11/10/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 60.29 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2158 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
78.38	6	32.91				180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2158 Adams **1040** **570**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

1044 **622**

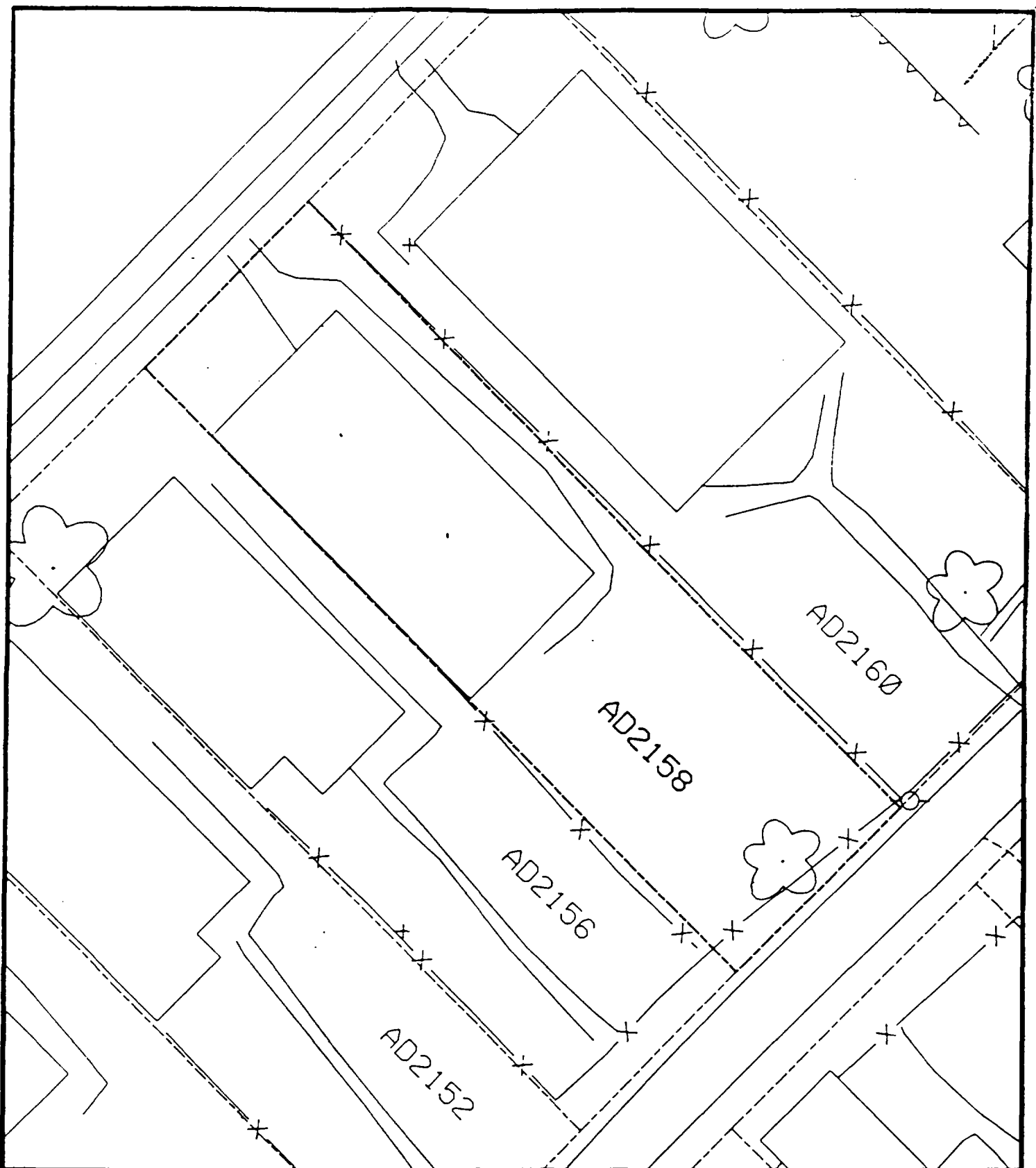
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

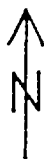
371 **815**
 390 429

Depth
Excav.
(inch)

12



Comments: _____



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

DRN. BY:
CHKD. BY:

2158 ADAMS ST.

Resident ID No.
AD2158

1

2

3

2160 Adams

Action Date: 3/30/98

Loadout: 4/2/98

Restoration Begins: 4/2/98

Restoration Completed: 4/18/98

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 100.40 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2160 Adams

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
130.52	8		39.6			240		

**Sampling Analysis
Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2160 Adams	290	379
	178	505
	249	735

3 - 6" Front and Back

	B	B	B
PPM	PPM	PPM	PPM
No.	No.	No.	No.

164	324
107	612
116	730

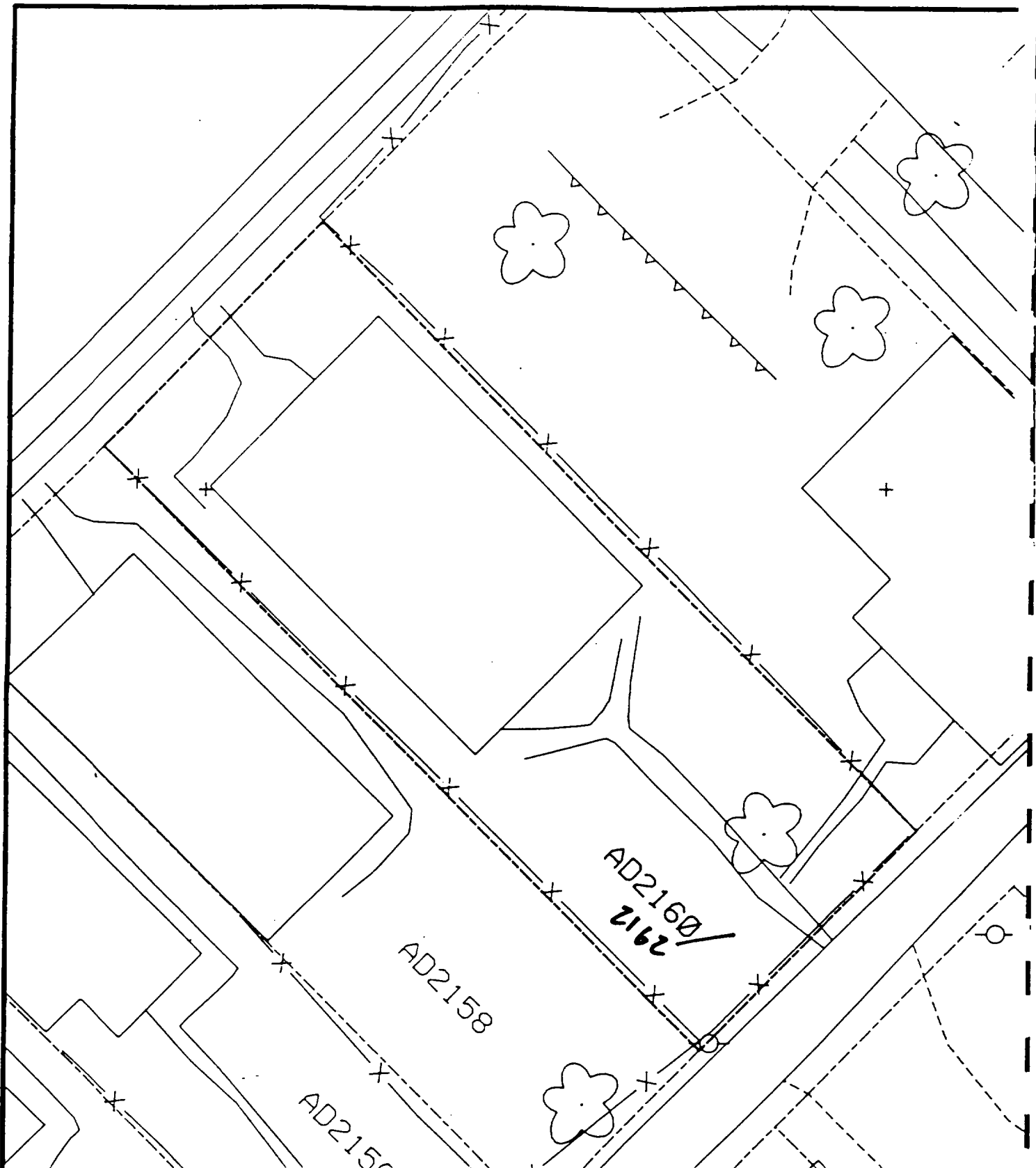
6 - 12" Front and Back

	C	C	C
PPM	PPM	PPM	PPM
No.	No.	No.	No.

48	239
69	504
52	795

Depth
Excav.
(inch)

12



Comments: _____



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2160 ADAMS ST.

Resident ID No.

AD2160

1022 Alton

Action Date: 10/21/97

Loadout: 10/27/97

Restoration Begins: 10/27/97

Restoration Completed: 10/31/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 152.96 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1022 Alton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
198.86	10	61.39	72.35	21.98		480		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1022 Alton **510** 428

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

511 385
510 256

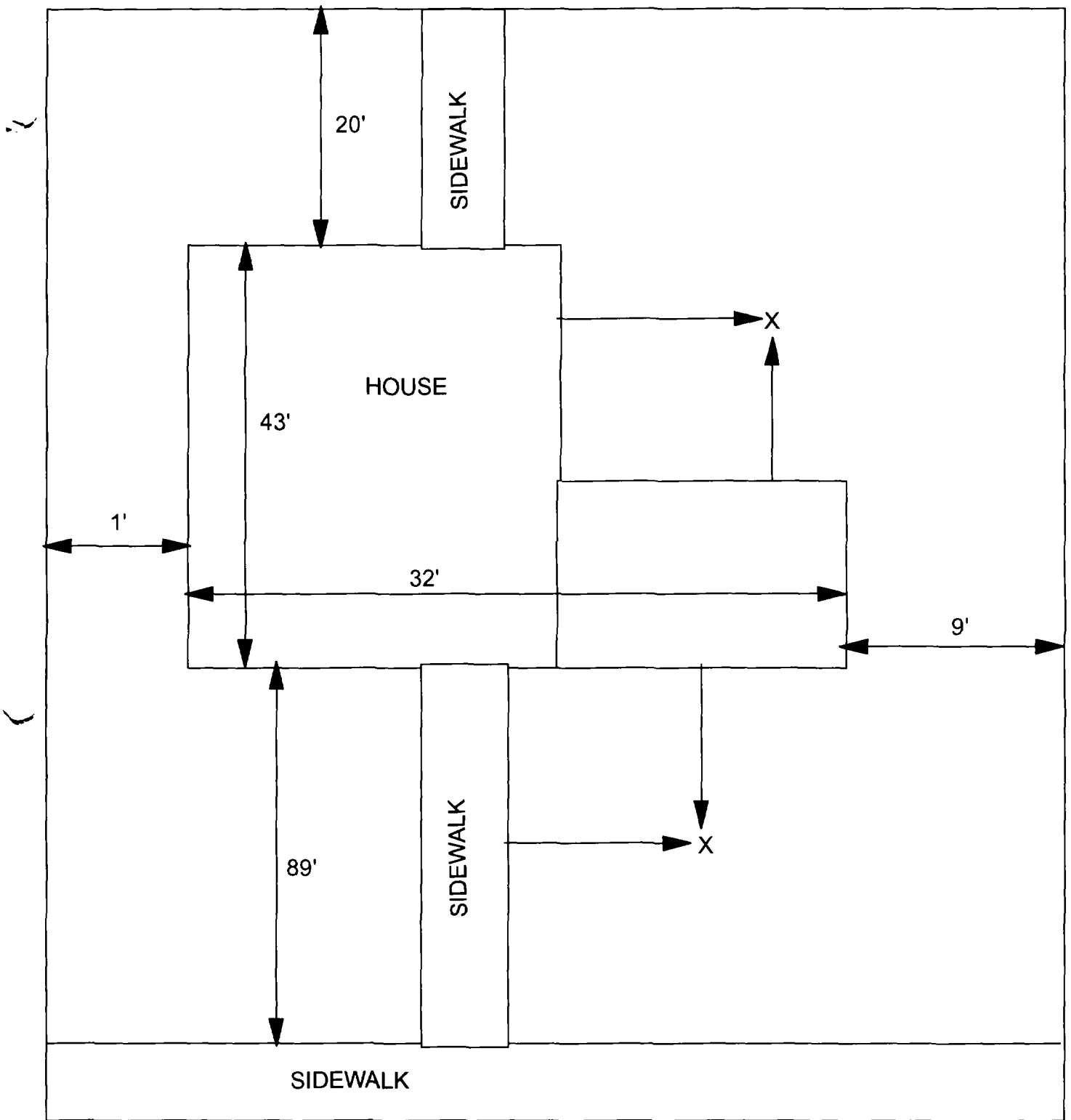
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

598 224
541 208

Depth
Excav.
(inch)

12



X = SAMPLE POINT

1022 ALTON
41' X 152'

OHM 
Corporation
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

11

1

1

1026 Alton

Action Date: 10/21/97

Loadout: 10/28/97

Restoration Begins: 10/28/97

Restoration Completed: 10/31/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 124.53 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1026 Alton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
161.89	5	43.36	42.3	21.63		420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1026 Alton	462	258
	303	397
	402	423

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

310	474
237	141
353	548

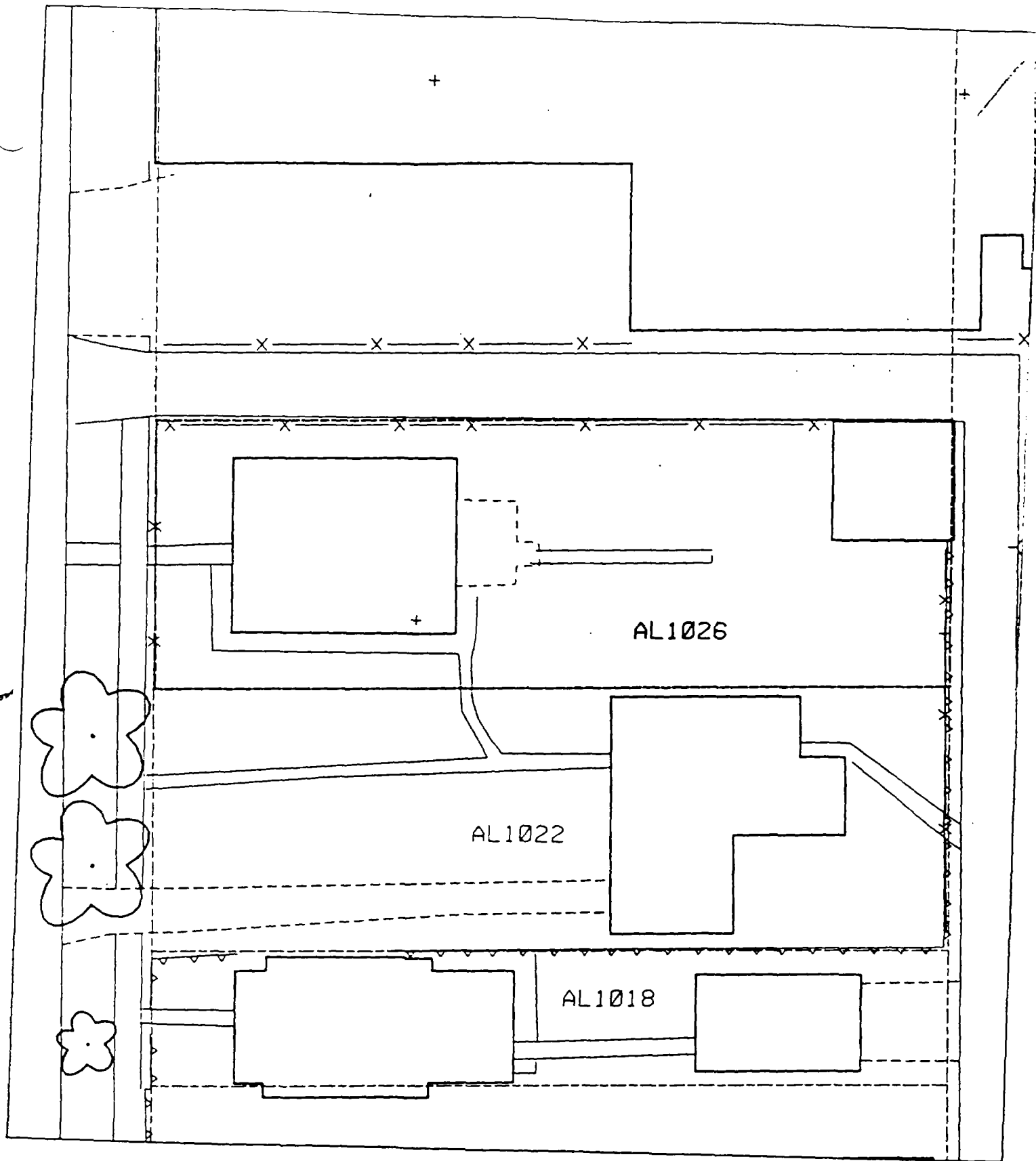
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

119	97
150	54
239	223

Depth
Excav.
(inch)

6



2

2

2

1911 Benton

Action Date: 7/14/97

Loadout: 7/15/97

Restoration Begins: 7/16/97

Restoration Completed: 8/4/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 50.78 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1911 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
66.02		52.58	12.8	14.07		180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

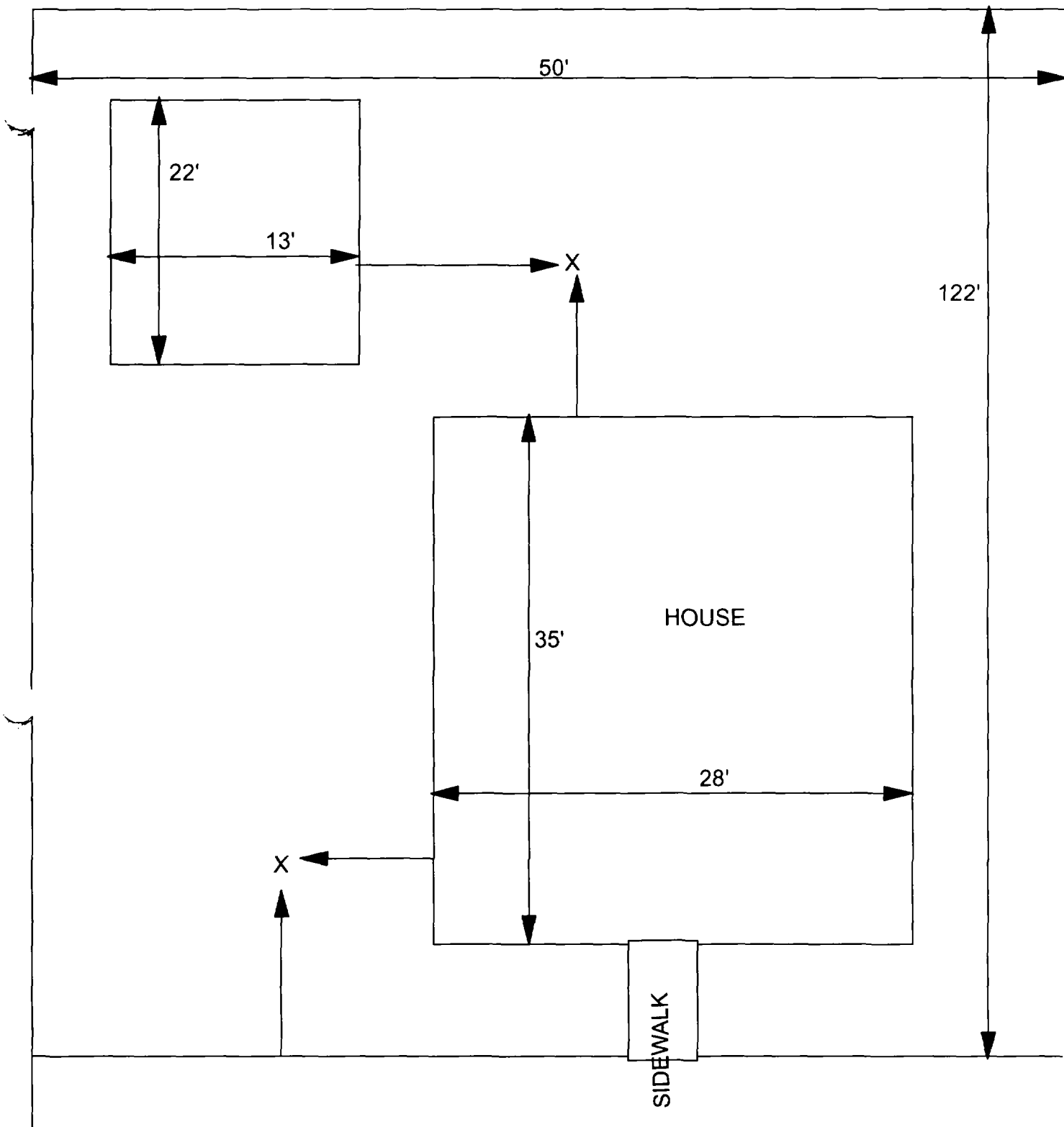
Depth
Excav.
(inch)

1911 Benton **915** 111
 1201 **880**

255 176

143 299

3



X = SAMPLE POINT

1911 BENTON
50' X 122'

OHM 
Corporation
Findlay Ohio

Drawn By: **EDJ** Checked By:

Date: **7/29/98** Approved By:

Scale: **NTS** Drawing No:

1915/17 Benton

Action Date: 6/30/97

Loadout: 7/1/97

Restoration Begins: 7/1/97

Restoration Completed: 7/10/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 64.76 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1915/17 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
84.19	5	40.93	14.65	14.3		210		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1915/17 Benton 326 1110

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

527 1210

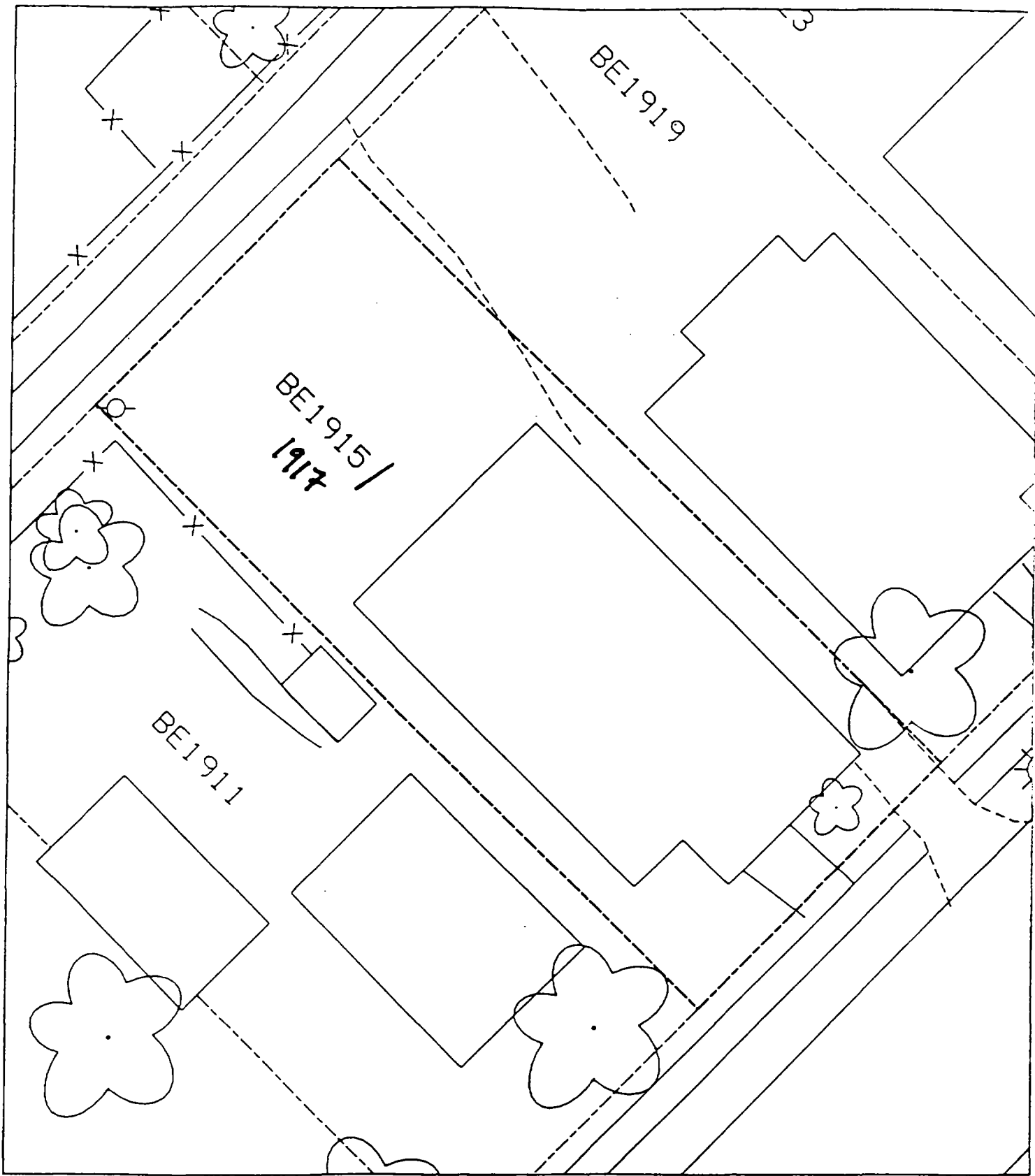
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

128 437

Depth
Excav.
(inch)

6



1

2

3

1916 Benton

Action Date: 3/12/97

Loadout: 3/20/97

Restoration Begins: 3/20/97

Restoration Completed: 3/22/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 35.76 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Petago Sod Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1916 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
46.49	1	30	29.65	31		150		

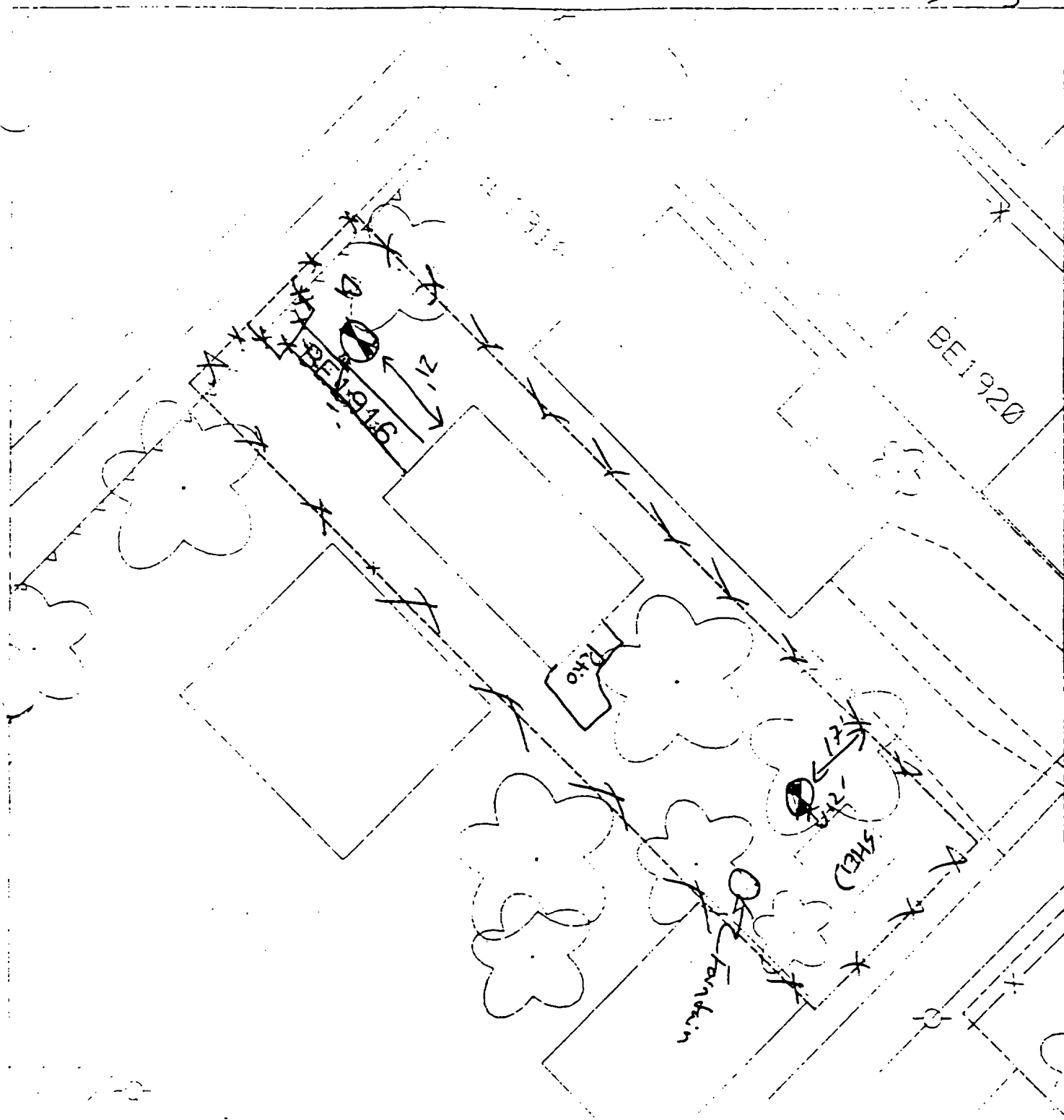
Sampling Analysis
Project #19531

0 - 3" Front and Back			
	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.
1916 Benton	577	128	
	467	248	

3 - 6" Front and Back		
B	B	B
PPM	PPM	PPM
No.	No.	No.
337	209	

6 - 12" Front and Back		
C	C	C
PPM	PPM	PPM
No.	No.	No.
182	44	

Depth
Excav.
(inch)
3



B1 1' Not Walkway
21' Wat horse

B2 17' Set fence
12' Wat shed

House & Pavement = 70%

1

2

3

1919/21 Benton

Action Date: 6/5/97

Loadout: 6/6/97

Restoration Begins: 6/7/97

Restoration Completed: 6/19/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 63.92 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1919/21 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
83.1		50.98	31.15	44.8		180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1919/21 Benton **798** **1675**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

367 95

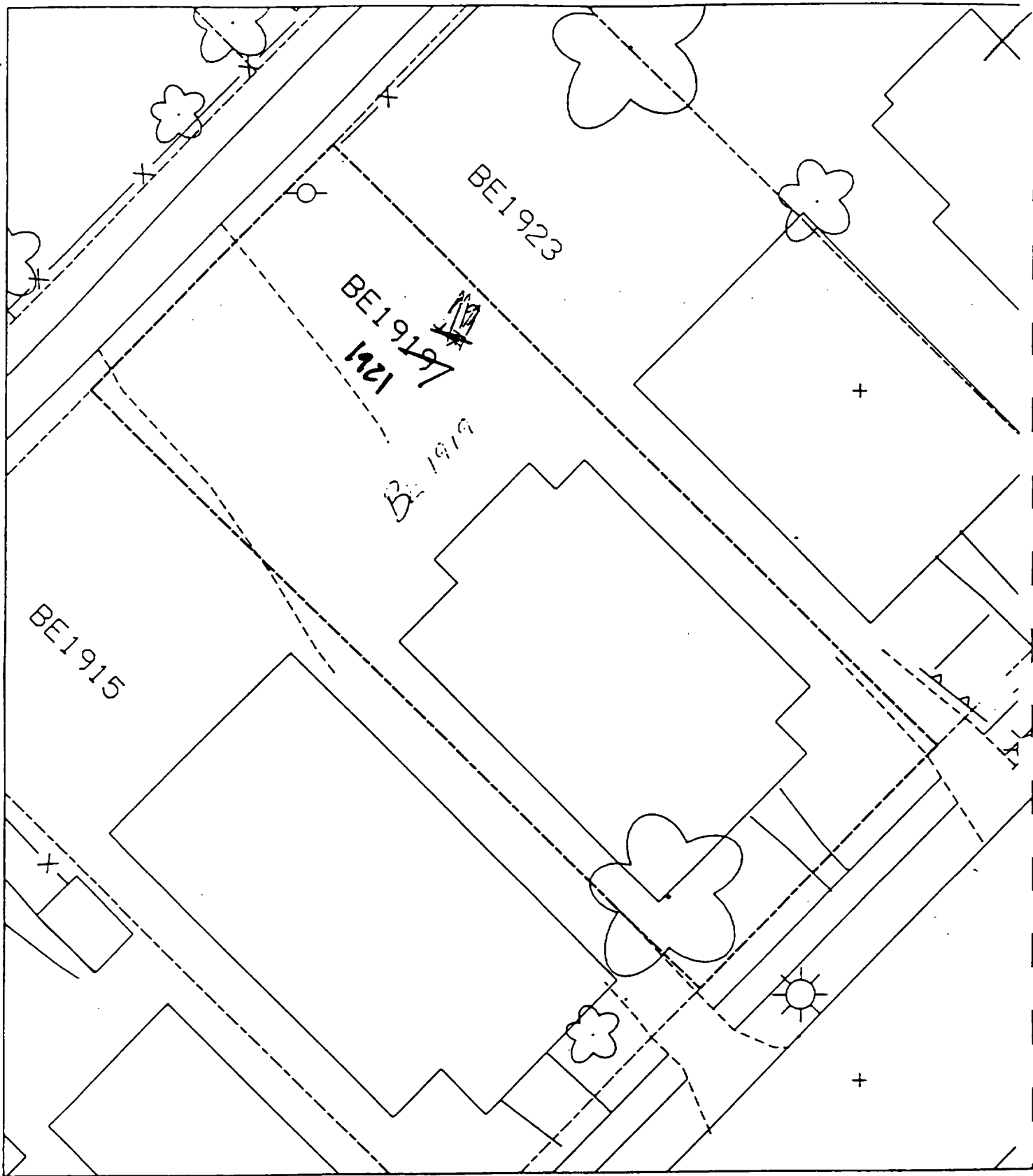
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

84 250

Depth
Excav.
(inch)

3



1920 Benton

Action Date: 3/20/97

Loadout: 3/22/97

Restoration Begins: 3/24/97

Restoration Completed: 4/9/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 25.13 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*Roller

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Pedago Sod Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR 1920 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
32.68		28		14.9		120		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1920 Benton **639** **686**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

300 335

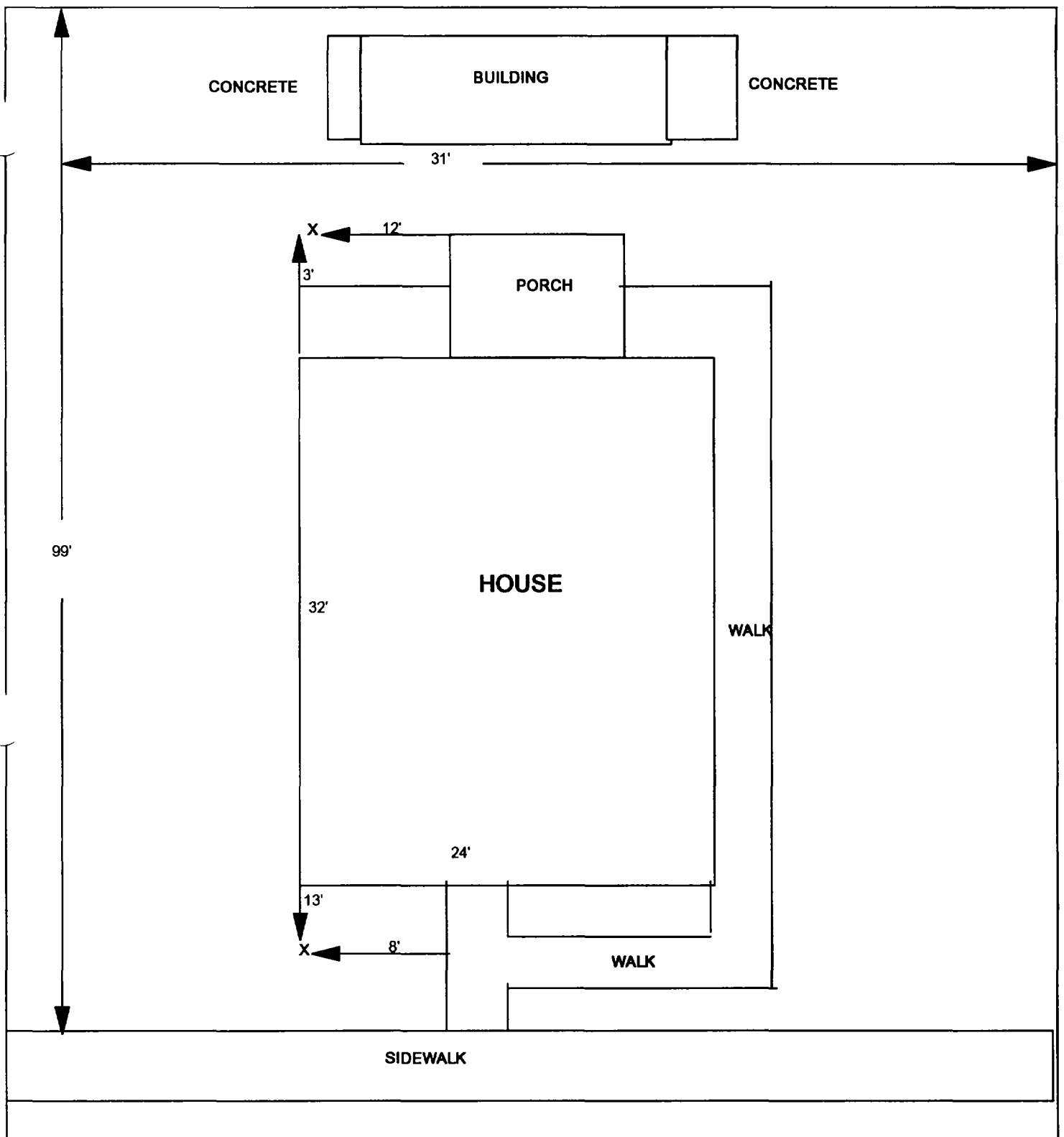
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

53 117

Depth
Excav.
(inch)

3



X = SAMPLE POINT

1920 BENTON

TOTAL
DEMINSIONS

99'X31'

OHM
Corporation
Findlay, Ohio

Drawn By: JG

Checked By:

Date: 5/29/97

Approved By:

Scale: NTS

Drawing No:

;

,

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1922 Benton

Action Date: 3/22/97

Loadout: 3/24/97

Restoration Begins: 3/24/97

Restoration Completed: 4/9/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 26.24 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*Roller

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Pedago Sod Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

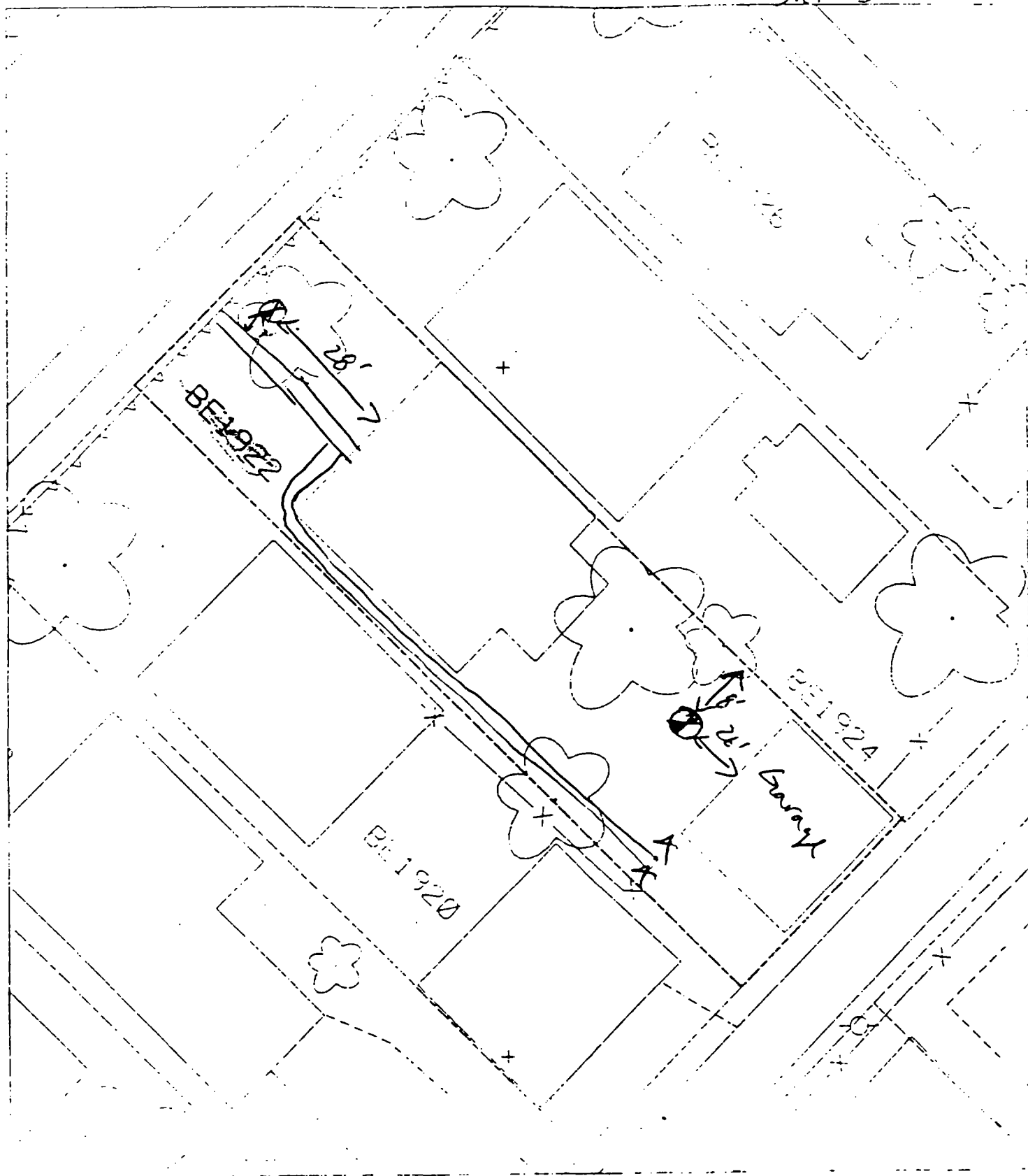
1922 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
34.12		12		14.8		120		

Sampling Analysis
Project #19531

0 - 3" Front and Back				3 - 6" Front and Back			6 - 12" Front and Back			Depth Excav. (inch)
	A	A	A	B	B	B	C	C	C	
Street/Number	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
Address	No.	No.	No.	No.	No.	No.	No.	No.	No.	
1922 Benton	367	709		319	521		216	364		6
	513	736		410	297					

Sheet 3



House & Pavement = 80%

2

2

2

1923 Benton

Action Date: 6/4/97

Loadout: 6/5/97

Restoration Begins: 6/7/97

Restoration Completed: 6/9/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 60.63 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1923 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
78.83			32.55	46.7				

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1923 Benton **516** 257
 432 444

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

376 132

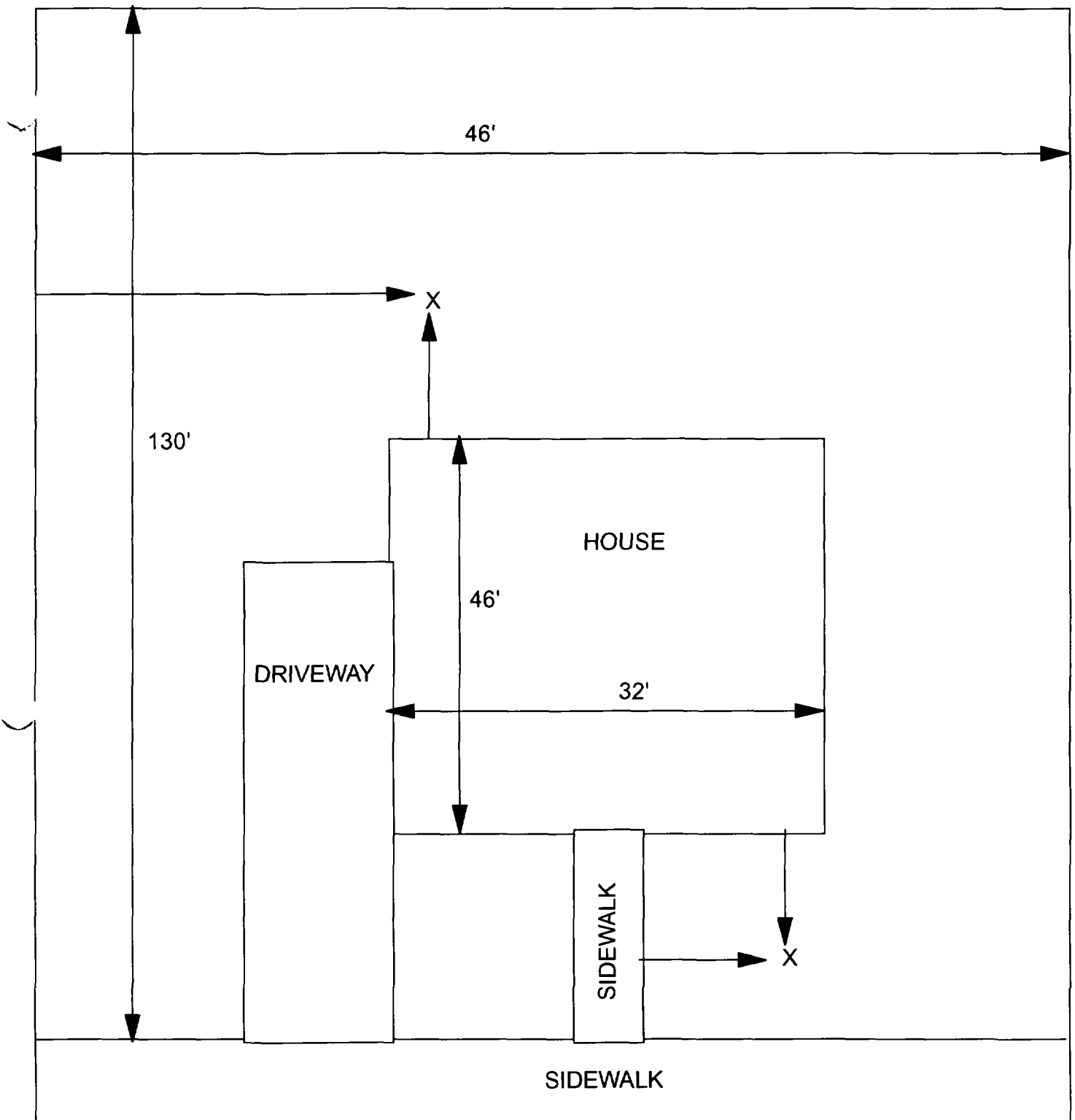
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

223 70

Depth
Excav.
(inch)

3



X = SAMPLE POINT

1923 BENTON
46' X 130'

OHM 
Corporation
Findlay Ohio

Drawn By: **EDJ** Checked By:

Date: **7/29/98** Approved By:

Scale: **NTS** Drawing No:

1924 Benton

Action Date: 4/1/97

Loadout: 4/2/97

Restoration Begins: 4/3/97

Restoration Completed: 4/9/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 46.68 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*Roller

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Pedago Sod Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1924 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
60.69	2	16	16.45	16.6		120		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1924 Benton 550 651

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

903 616

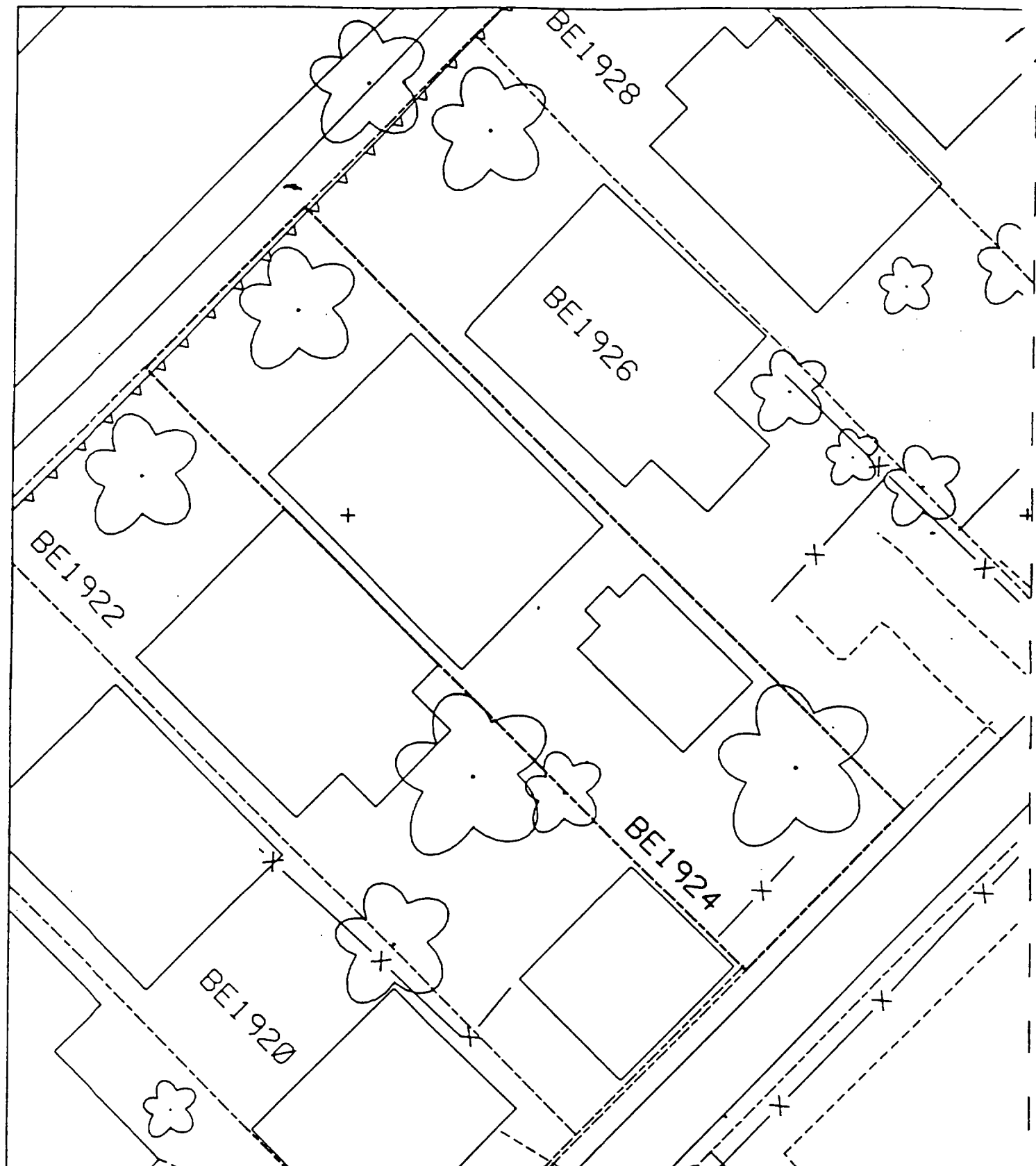
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

624 522

Depth
Excav.
(inch)

12



1925/27 Benton

Action Date: 6/21/97

Loadout: 6/23/97

Restoration Begins: 6/23/97

Restoration Completed: 7/9/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 32.00 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1925/27 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
41.6		63.74				420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1925/27 Benton **626** **916**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

335 347

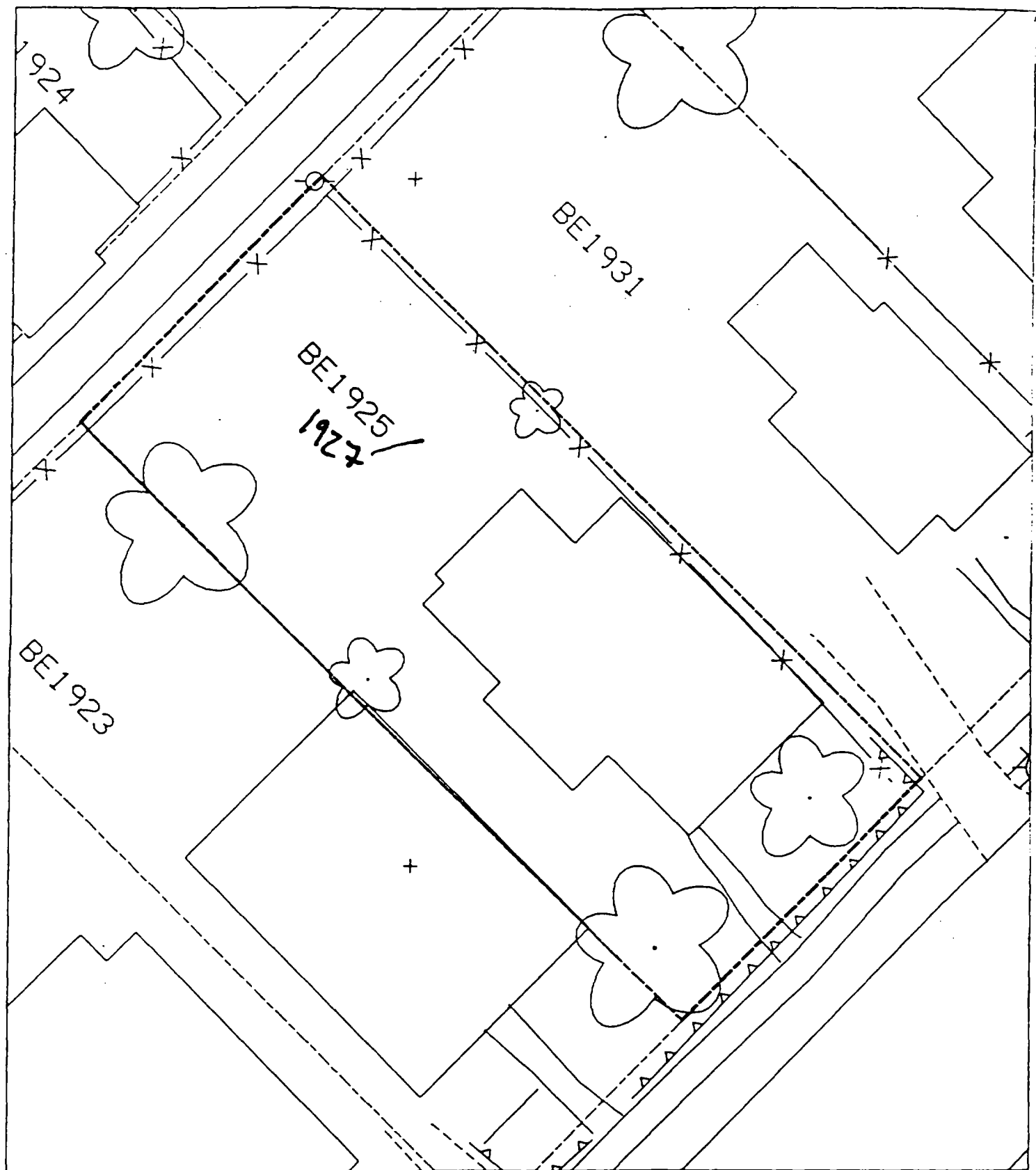
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

116 327

Depth
Excav.
(inch)

3



1926 Benton

Action Date: 3/31/97

Loadout: 4/2/97

Restoration Begins: 4/2/97

Restoration Completed: 4/10/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 33.63 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*Kobotoa

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Pedago Sod Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1926 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
43.73		14.74	17.5			150		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1926 Benton **660** 415

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

129 242

6 - 12" Front and Back

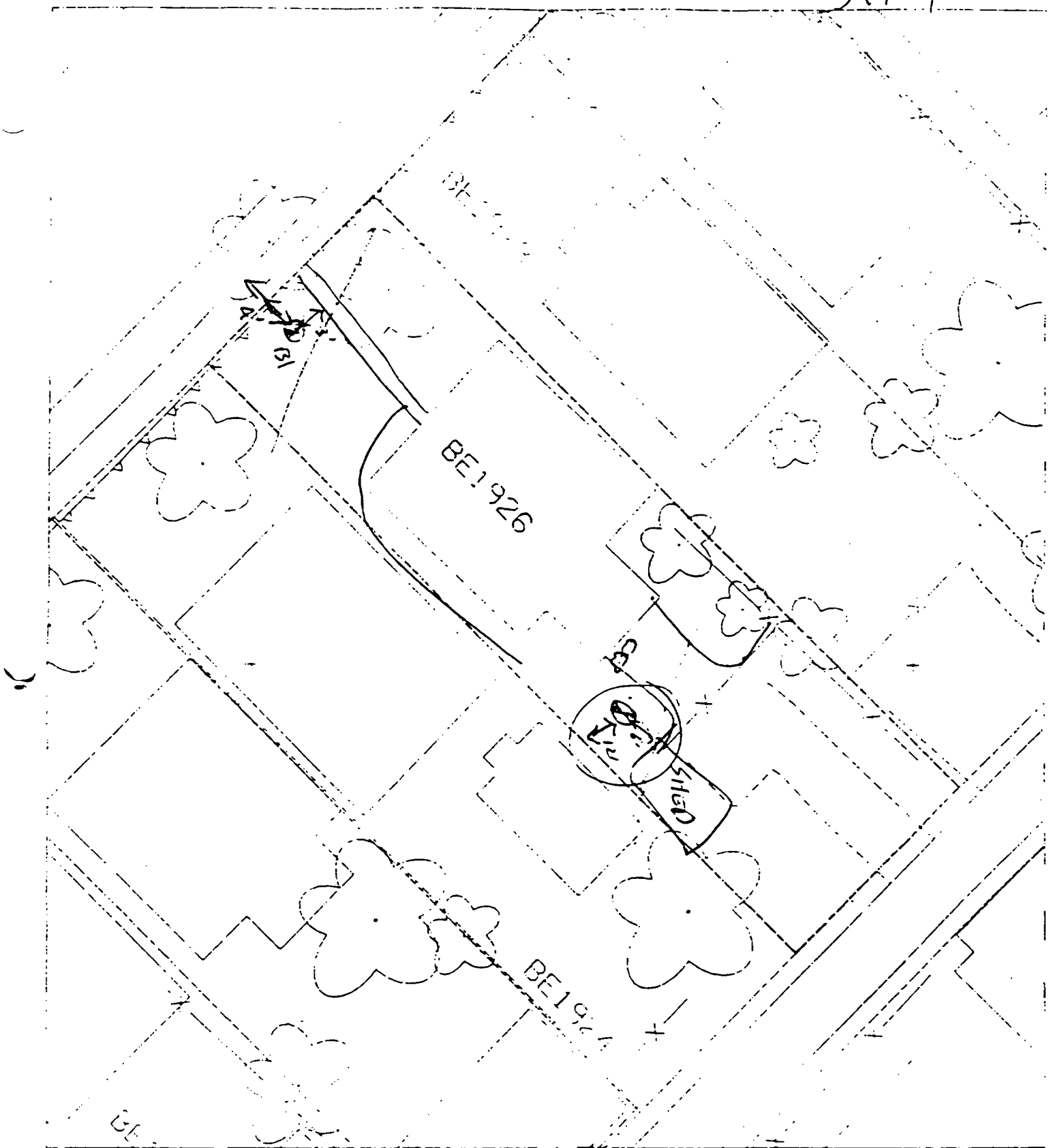
C	C	C
PPM	PPM	PPM
No.	No.	No.

23 212

Depth
Excav.
(inch)

3

SLT 4



House & Parcment = 90%

OK



1928 Benton

Action Date: 7/22/97

Loadout: 7/24/97

Restoration Begins: 7/24/97

Restoration Completed: 8/20/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 51.27 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*Roller

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1928 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
66.66	1	36.04	26.3	14.6		240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1928 Benton 835 404

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

167 141

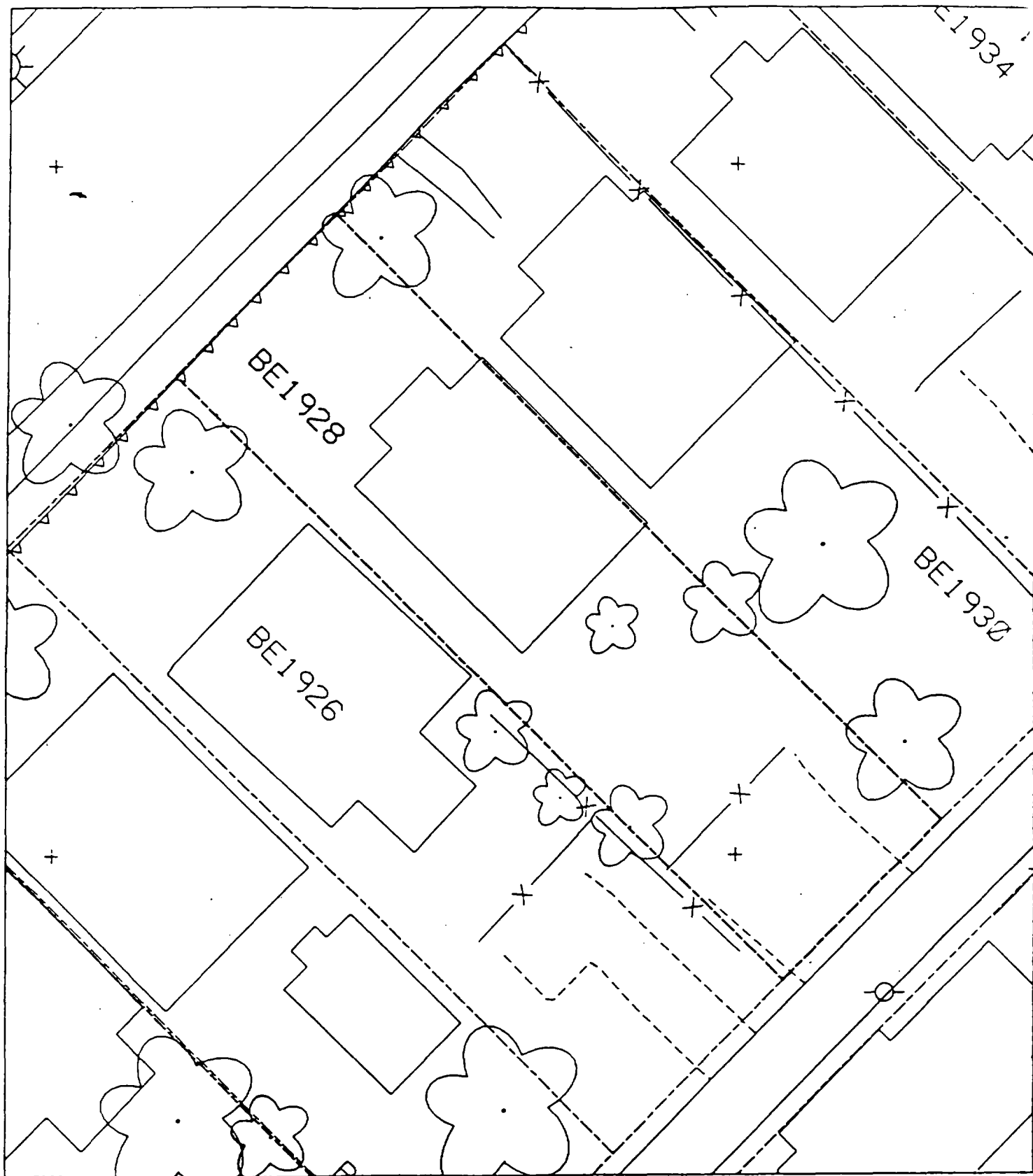
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

45 63

Depth
Excav.
(inch)

3



1930 Benton

Action Date: 3/26/97

Loadout: 3/27/97

Restoration Begins: 3/28/97

Restoration Completed: 4/24/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 50.84 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Pedago Sod Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1930 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
66.1	2	77.22	42.09			240		

Sampling Analysis
Project #19531

0 - 3" Front and Back			
	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.
1930 Benton	570	420	

3 - 6" Front and Back		
B	B	B
PPM	PPM	PPM
No.	No.	No.
459	574	

6 - 12" Front and Back		
C	C	C
PPM	PPM	PPM
No.	No.	No.
183	136	

Depth
Excav.
(inch)
6



100

100

100

1932 Benton

Action Date: 7/26/97

Loadout: 7/29/97

Restoration Begins: 10/8/97

Restoration Completed: 10/8/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 37.81 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

1932 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
49.16		45.43		15.45		240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1932 Benton	188	312
	49	91
	846	222
	107	216

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

256	246
678	163
491	185

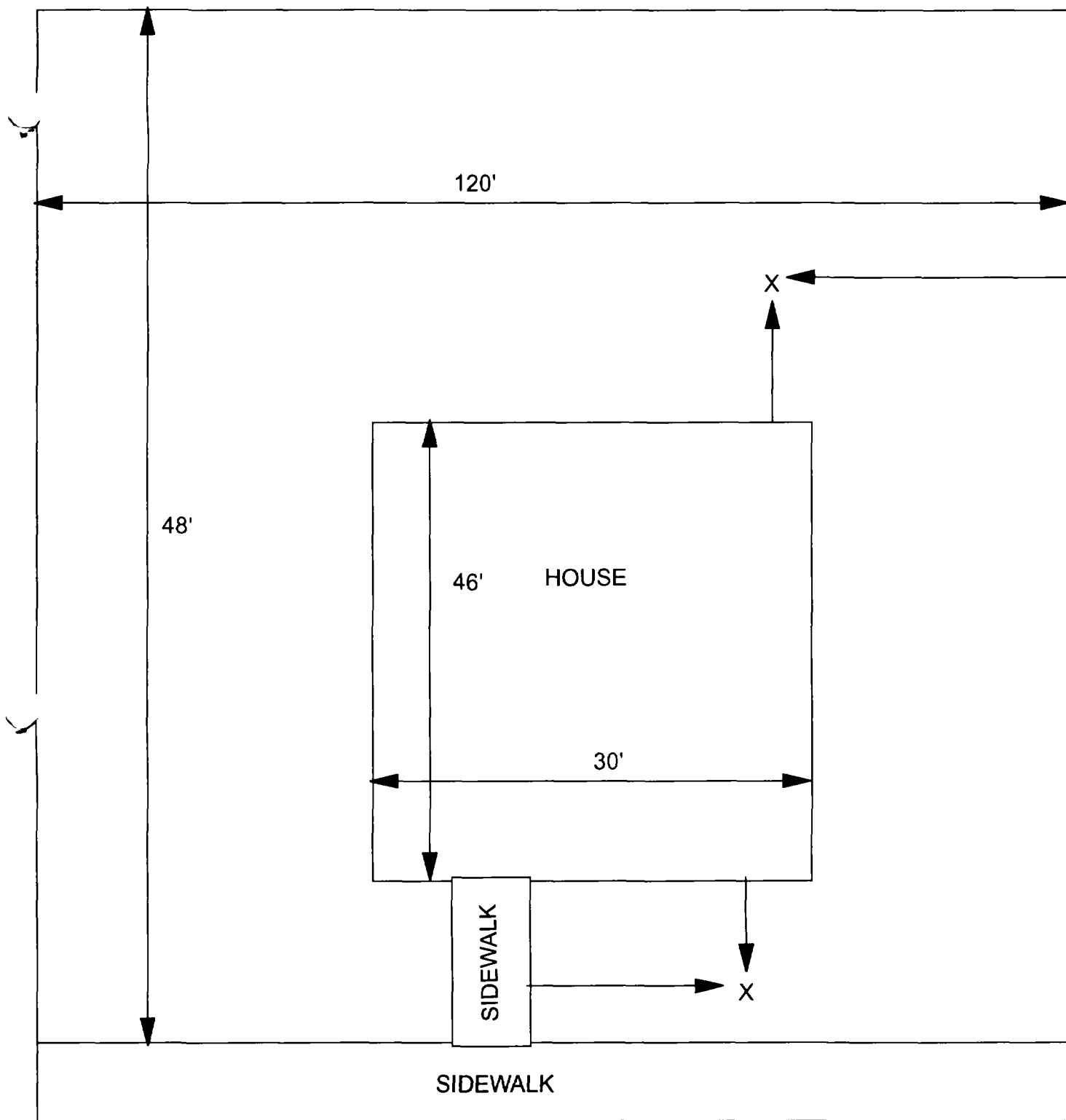
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

82	361
49	51
50	107

Depth
Excav.
(inch)

3



X = SAMPLE POINT

1932 BENTON
48' X 120'

OHM 
Corporation
Findlay Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:



1934 Benton

Action Date: 4/8/97

Loadout: 4/9/97

Restoration Begins: 4/14/97

Restoration Completed: 4/25/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 30.82 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1934 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
40.07		44.3				180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1934 Benton 185 520

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

877 404

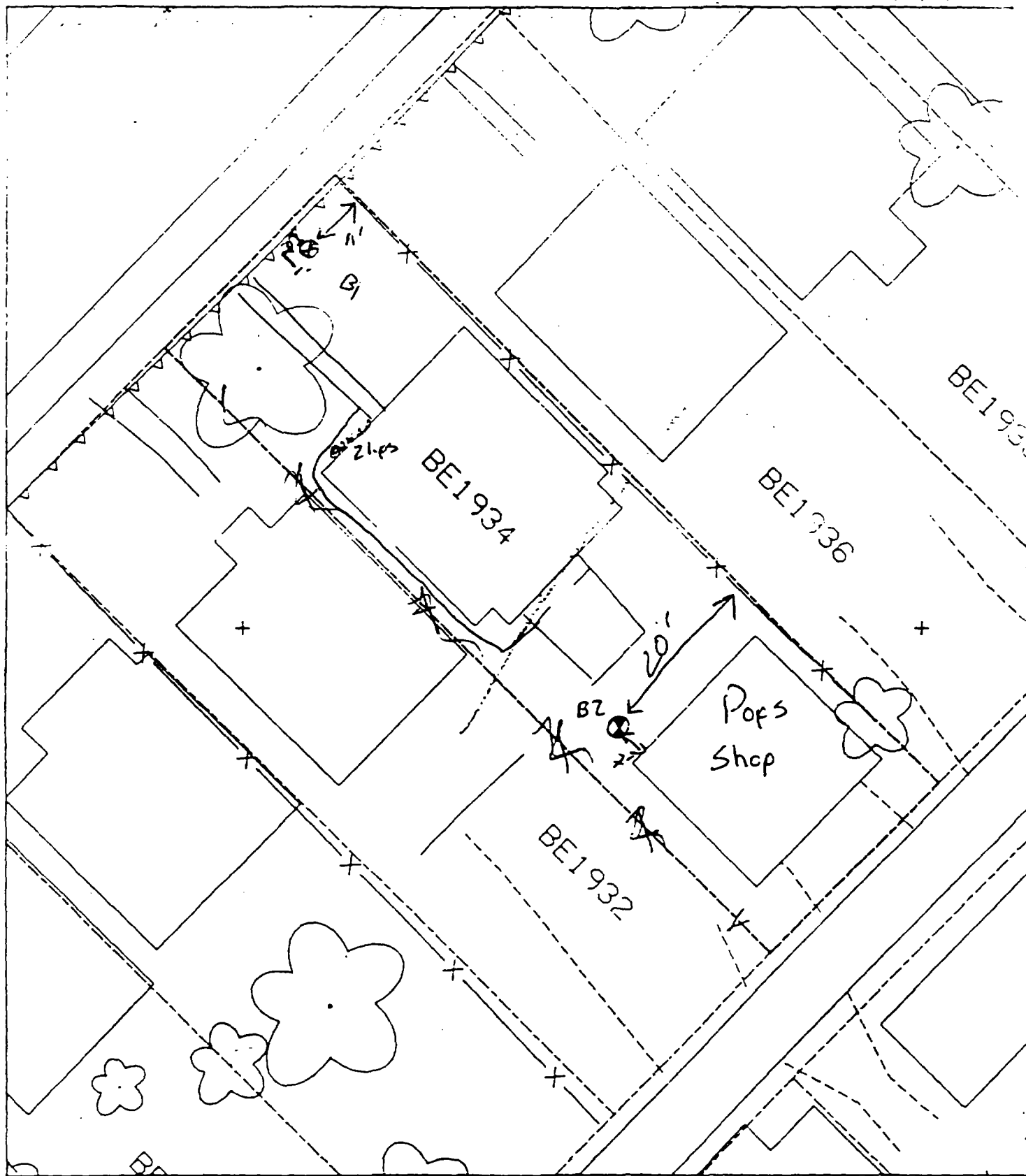
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

257 318

Depth
Excav.
(inch)

6



B1 1' E of wall
11' S of fence

60% Paved

B2 7' W of shop
20' S of fence

1936 Benton

Action Date: 8/12/97

Loadout: 8/13/97

Restoration Begins: 8/14/97

Restoration Completed: 8/26/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 58.43 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*Roller

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1936 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
75.96	3	15.61	29.05	16.7		300		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1936 Benton 474 470

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

557 310
1055 460

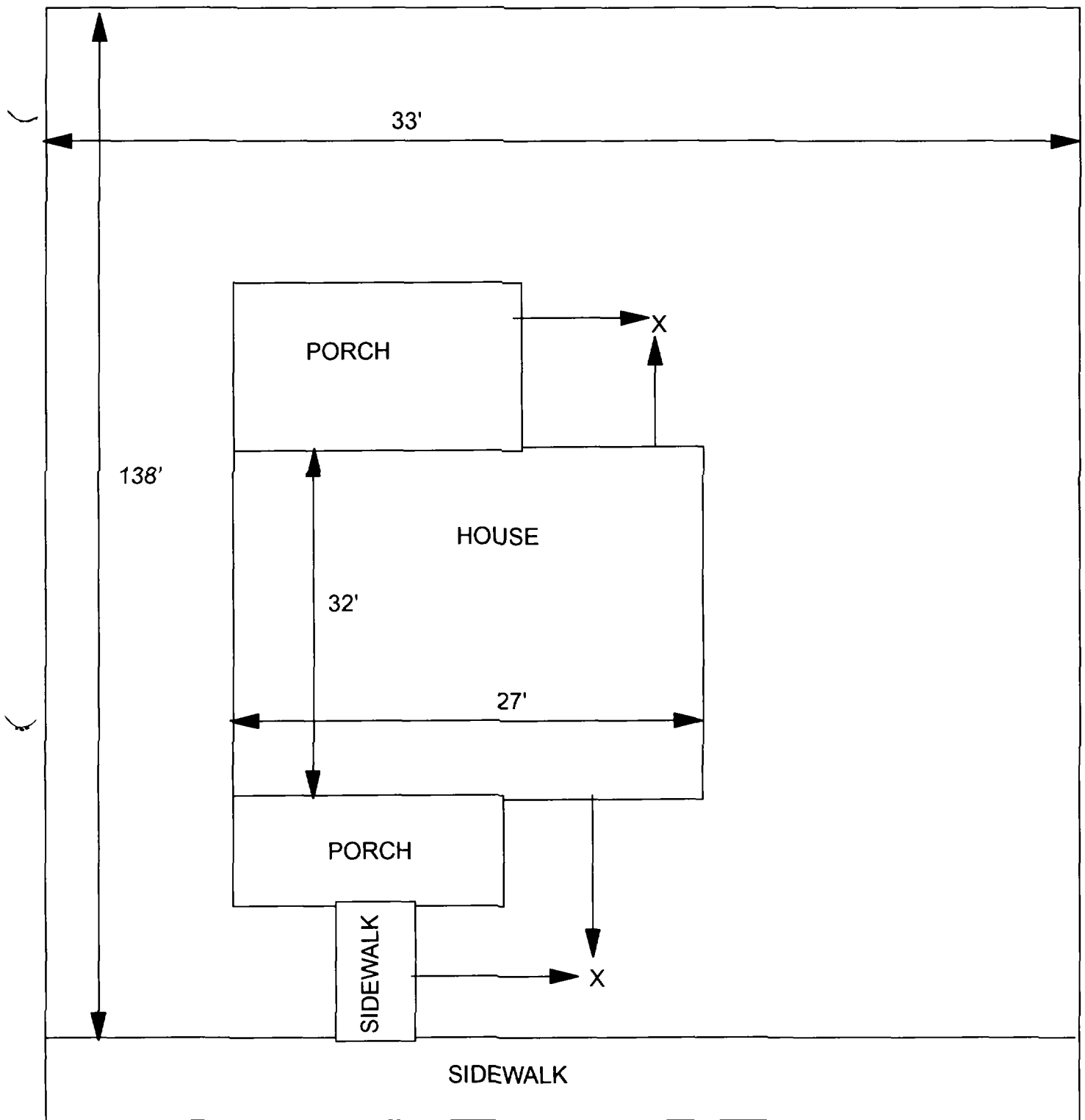
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

190 170

Depth
Excav.
(inch)

6



X = SAMPLE POINT

1936 BENTON
33' X 138'

OHM 
Corporation
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

1

2

3

1937 Benton

Action Date: 6/18/97

Loadout: 6/19/97

Restoration Begins: 6/19/97

Restoration Completed: 7/9/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 77.24 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1937 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
100.42	4	23.85	27.65	29.6		360		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1937 Benton 168 **668**
 85 447

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

184 573
 154 **509**

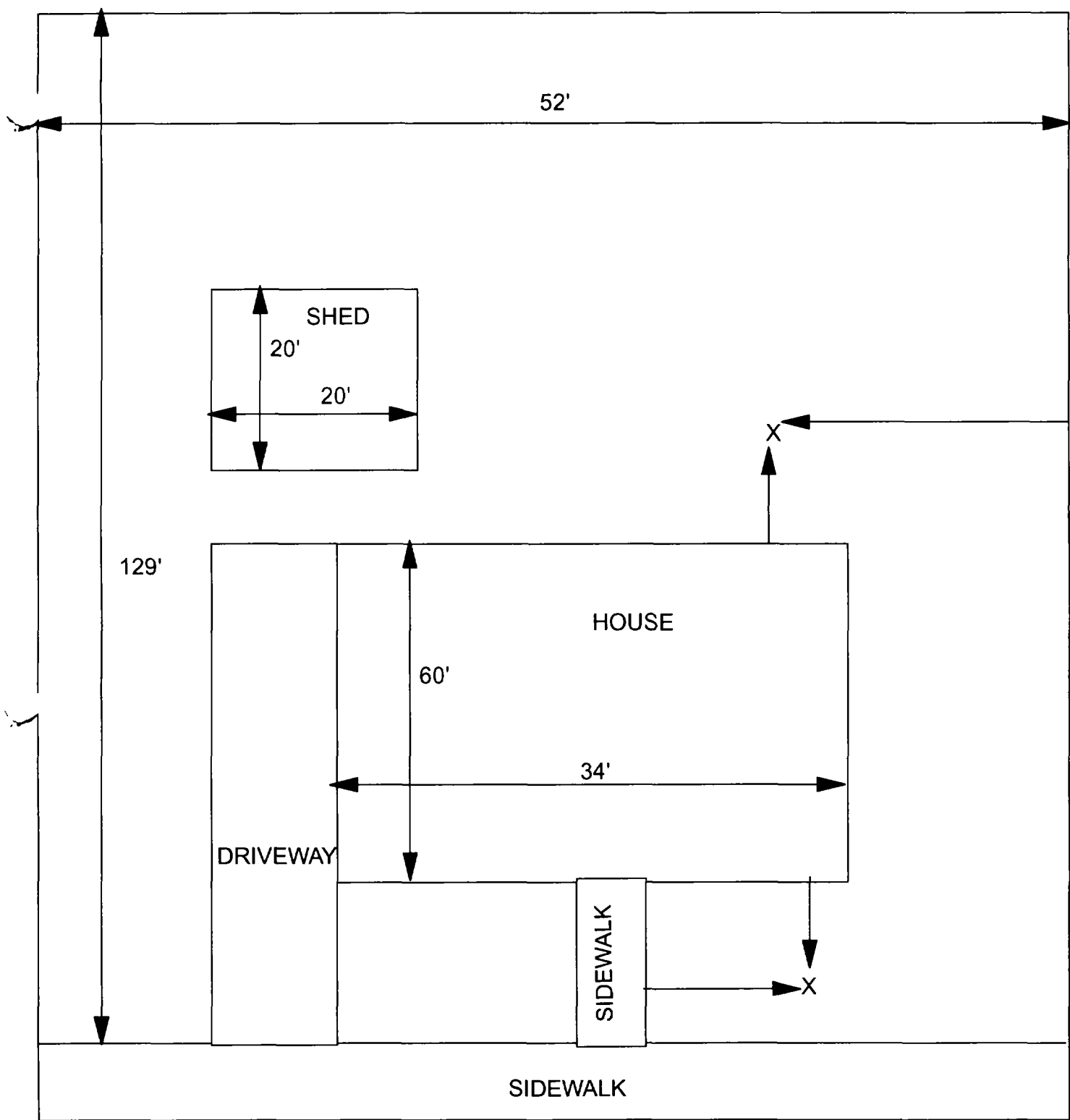
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

135 180

Depth
Excav.
(inch)

6



X = SAMPLE POINT

1937 BENTON
52' X 129'

OHM Corporation
Findlay Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

1

2

3

1940 Benton

Action Date: 4/18/97

Loadout: 4/25/97

Restoration Begins: 4/26/97

Restoration Completed: 5/12/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 34.23 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1940 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
44.51		77.19				360		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1940 Benton 479 987

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

114 470

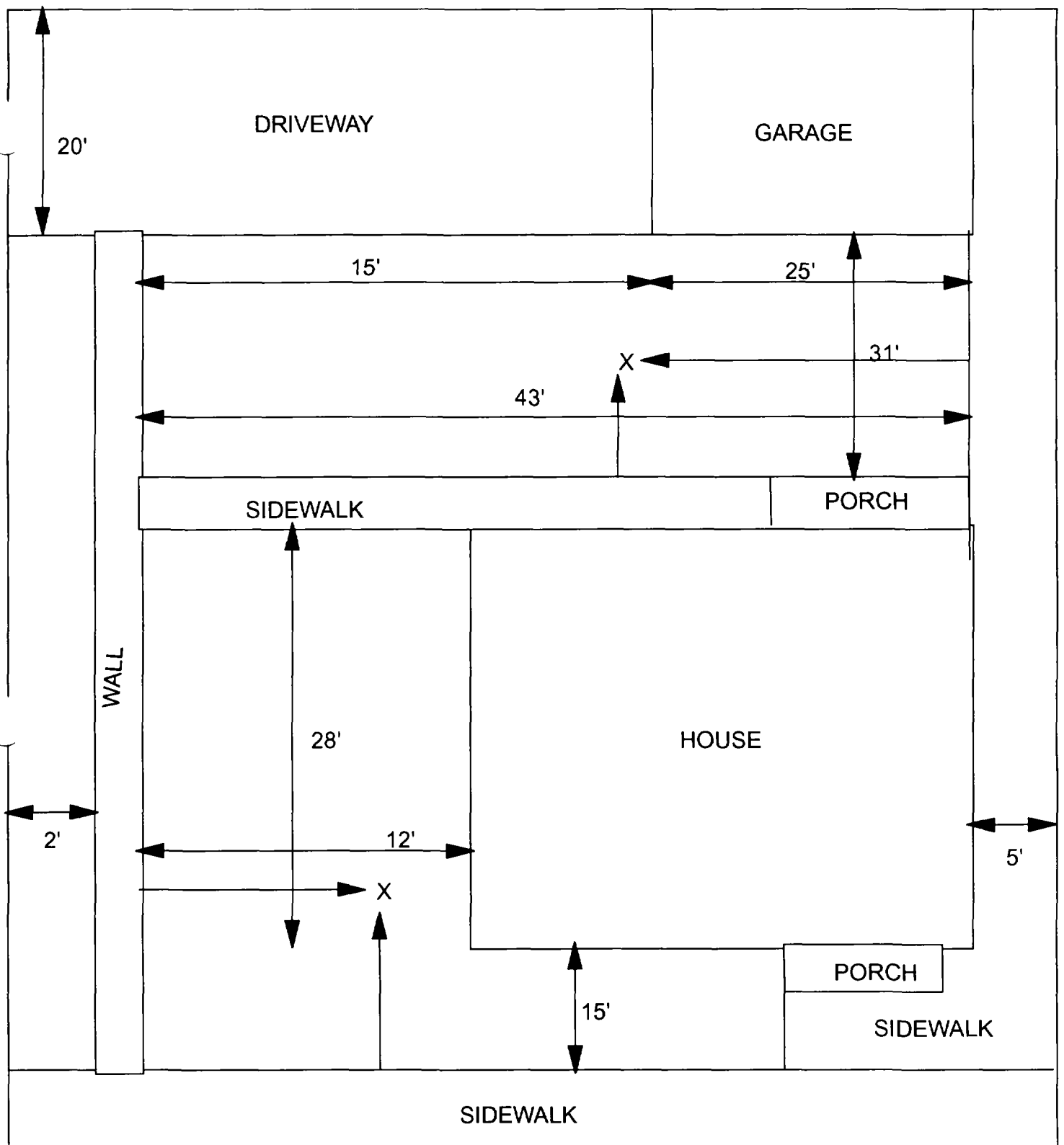
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

48 252

Depth
Excav.
(inch)

3



X = SAMPLE POINT

1940 BENTON
47' X 98'

OHM Corporation
Findlay, Ohio

Drawn By: EDJ Checked By:

Date: 7/28/98 Approved By:

Scale: NTS Drawing No:

1941 Benton

Action Date: 6/11/97

Loadout: 6/12/97

Restoration Begins: 6/12/97

Restoration Completed: 6/26/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 23.17 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1941 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
30.13		61.73		28.9		120		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1941 Benton **611** **1240**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

441 384

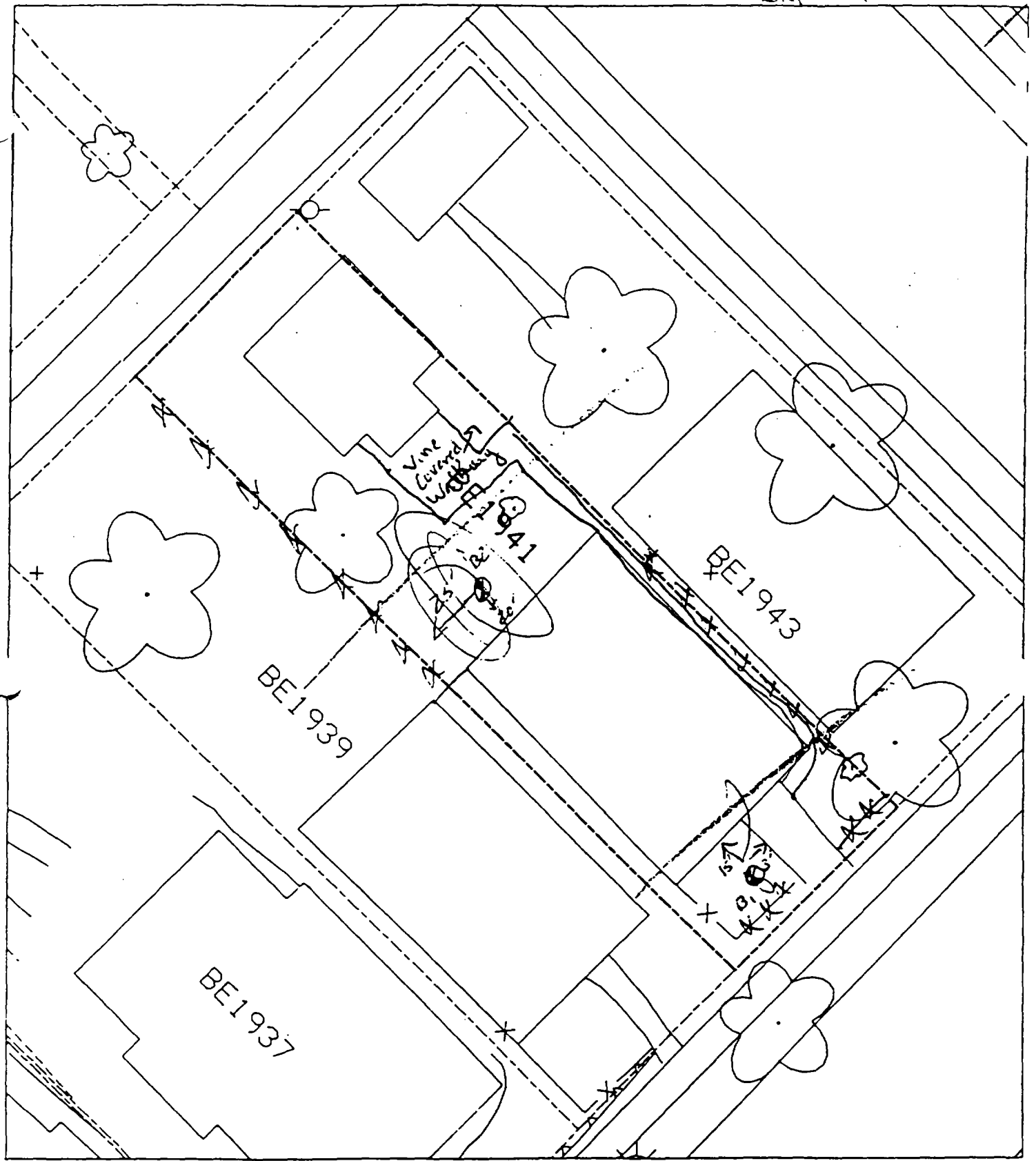
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

81 245

Depth
Excav.
(inch)

3



B1 3' to sidewalk
15' to house

B2 20' to house
25' to fence

House & Paved area = 70%

OK 1.

100

100

1943 Benton

Action Date: 6/10/97

Loadout: 6/11/97

Restoration Begins: 6/12/97

Restoration Completed: 6/26/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 20.30 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1943 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
30.13		61.73		28.9		120		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1943 Benton **520** 447

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

244 317

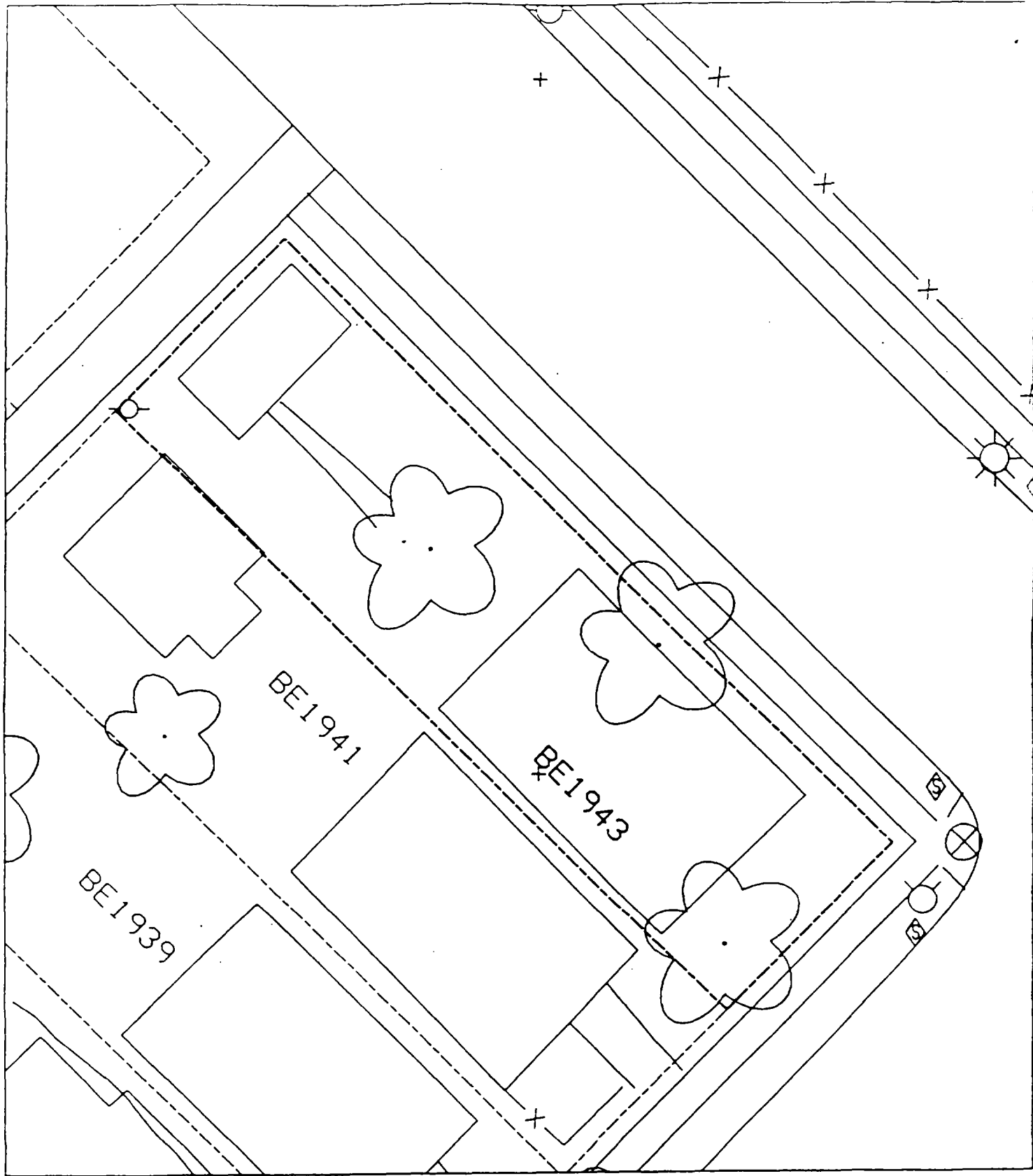
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

43 115

Depth
Excav.
(inch)

3



2020 Benton

Action Date: 9/2/97

Loadout: 9/3/97

Restoration Begins: 9/5/97

Restoration Completed: 9/12/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 60.91 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2020 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
79.19		74.31				510		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2020 Benton 476 693

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

190 404

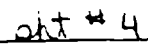
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

696 85
143 69
120 261

Depth
Excav.
(inch)

3



Horse & Pavement = 60%

43 ~~at~~ Ar

2024 Benton

Action Date: 9/5/97

Loadout: 9/8/97

Restoration Begins: 9/8/97

Restoration Completed: 9/26/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 47.88 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR 2024 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
62.25		49.5		28.3		300		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2024 Benton **558** 377
 461 286

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

265 409

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

116 363

Depth
Excav.
(inch)

3

[illegible]

62

70 paved + house 55;

2028 Benton

Action Date: 4/30/97

Loadout: 5/5/97

Restoration Begins: 5/5/97

Restoration Completed: 5/16/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 80.46 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2028 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
104.61	1	59.53	44.7	14.7		210		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2028 Benton **986** 423
 440 260

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

271 **504** 186
 439 400

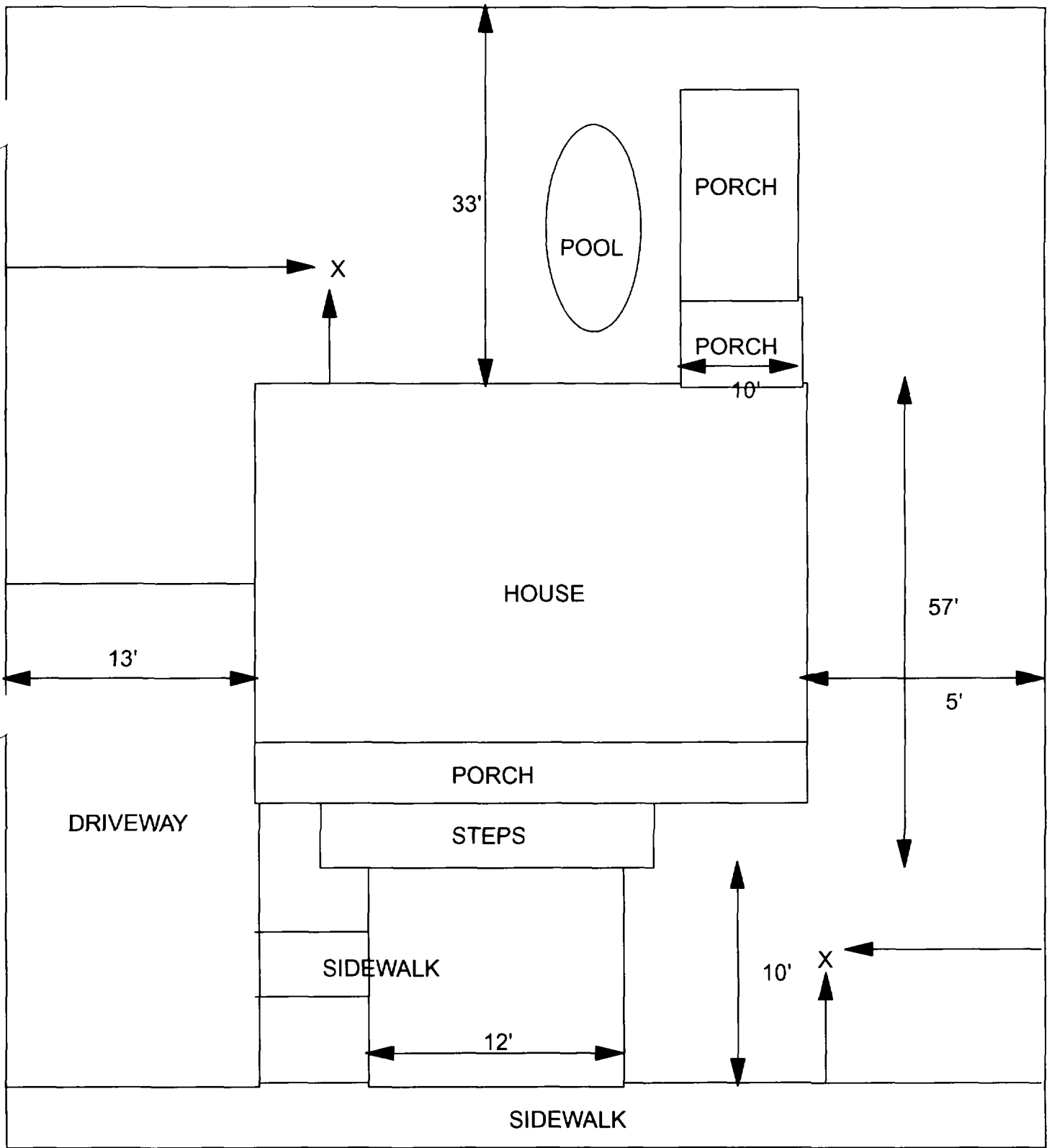
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

95 213

Depth
Excav.
(inch)

6



X = SAMPLE POINT

2028 BENTON
44' X 100'

OHM
Corporation
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/28/98	Approved By:
Scale: NTS	Drawing No:

1

2

3

2040 Benton

Action Date: 8/27/97

Loadout: 8/28/97

Restoration Begins: 8/29/97

Restoration Completed: 9/10/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 47.39 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2040 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
61.61	2	15.62	43.55			240		

Sampling Analysis
Project #19531

	0 - 3" Front and Back		
	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2040 Benton **707** 416

3 - 6" Front and Back		
B	B	B
PPM	PPM	PPM
No.	No.	No.

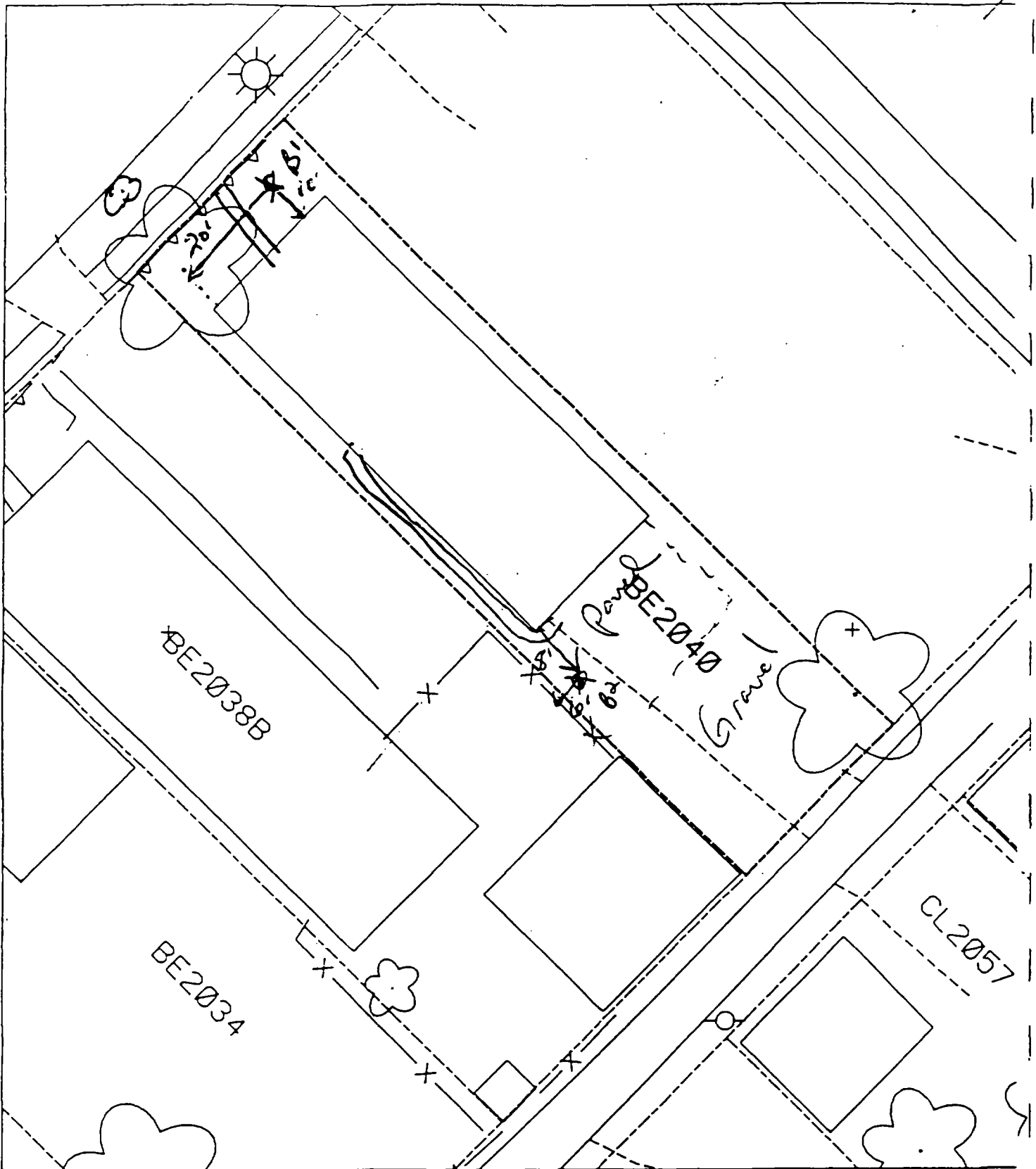
752 479

6 - 12" Front and Back		
C	C	C
PPM	PPM	PPM
No.	No.	No.

474 383

Depth
Excav.
(inch)

6



B¹ - 10' north of house & 20' east of corner of house.

No fenced + house 75-800.

B² - 8' south of house & 6' east of fence.

2109 Benton

Action Date: 9/30/97

Loadout: 10/2/97

Restoration Begins: 10/2/97

Restoration Completed: 10/16/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 117.20 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2109 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
152.36	8	52.21	29.7	13.6		360		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2109 Benton 431 **690**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

282 **555**
 174 160
 352 **586**

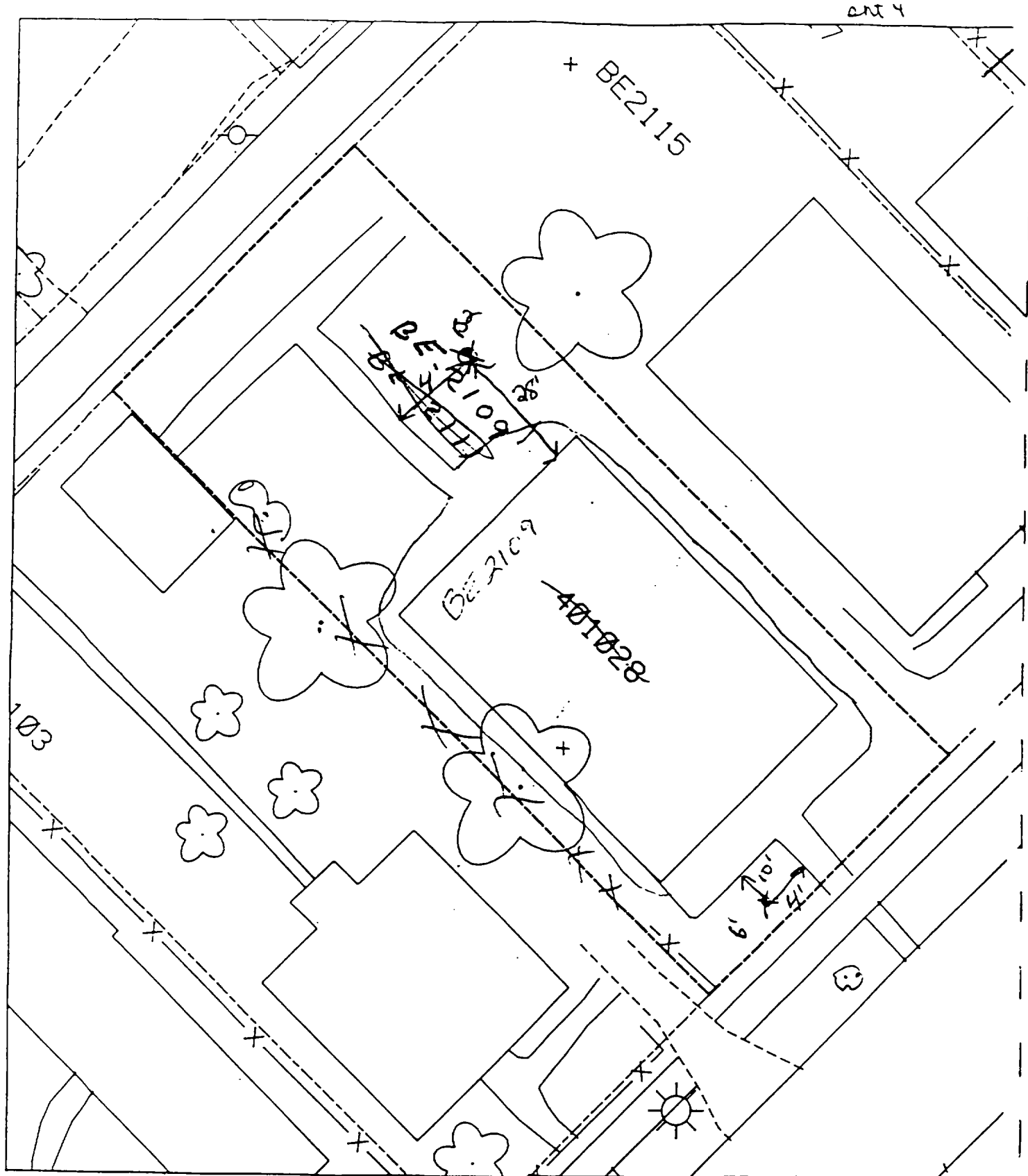
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

690 254
 63 57
 418 410

Depth
Excav.
(inch)

12



DPLA 2115 19-13-20-401-027 LOT 4
 2113 13-20-401-027 LOT 4
 2103 13-20-401-029 LOT 2
 2101 401-030 LOT 1

2' paved 45-50'.

B¹ - 10' south of sidewalk & 41
 B² - 4' east of sidewalk & 28' north of house.

—

—

—

2113/15 Benton

Action Date: 4/14/97

Loadout: 4/15/97

Restoration Begins: 4/15/97

Restoration Completed: 5/8/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 118.30 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2113/15 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
153.8	8	74.37				420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2113/15 Benton 472 1380

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

427 3100

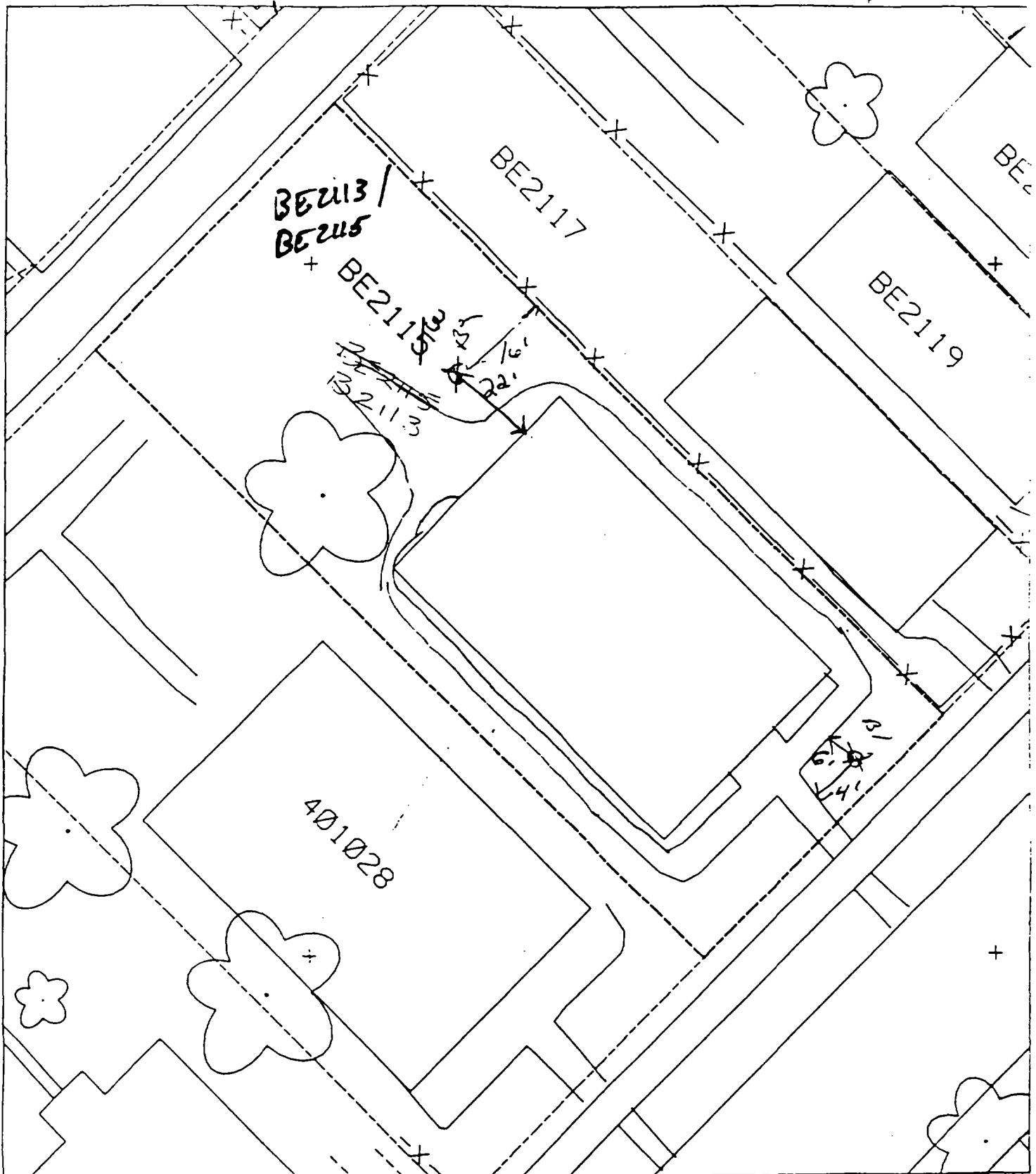
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

291 546
 170 842

Depth
Excav.
(inch)

12



B' - 6' south of ~~house~~ sidewalk
fence 4' east
of sidewalk.

70 power 4596

B2 - 16' west of fence & 22' north of house.

2117 Benton

Action Date: 5/27/97

Loadout: 5/28/97

Restoration Begins: 5/28/97

Restoration Completed: 6/13/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 30.5 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Schneider-turf farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2117 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
39.65	2	14.02	13.45	14.1		120		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2117 Benton	237	634	
	212	438	

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

270	571	
219	971	

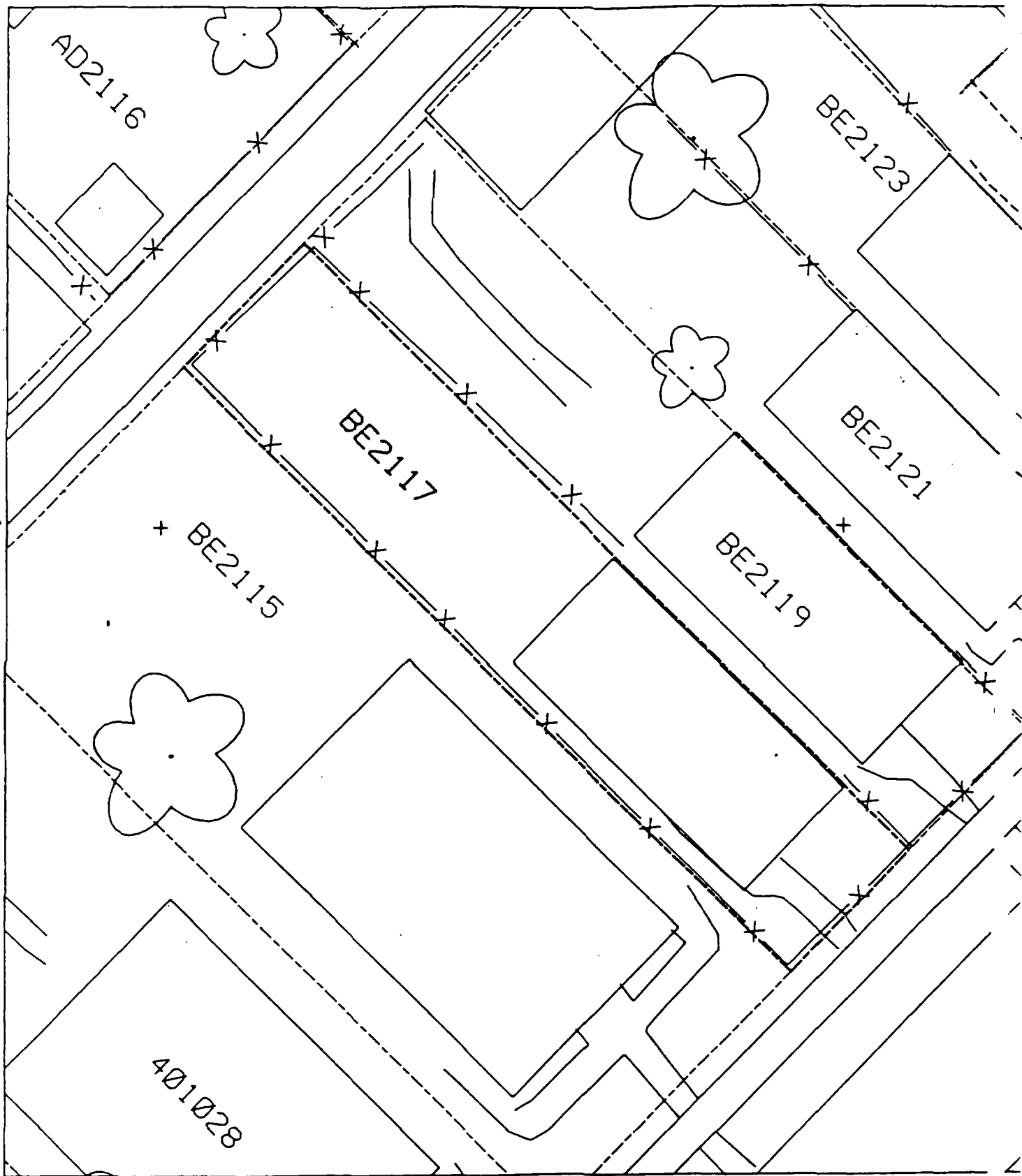
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

57	191	
----	-----	--

Depth
Excav.
(inch)

6



2119 Benton

Action Date: 10/4/97

✓ Loadout: 10/8/97

Restoration Begins: 10/8/97

Restoration Completed: 10/16/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 94.02 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2119 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
122.23	1	15.51				240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2119 Benton 323 303 188

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

316 218 **542**
 230 **592**

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

116 32 **621**
 137 **620**

Depth
Excav.
(inch)

12

2120/22 Benton

Action Date: 7/10/97

Loadout: 7/11/97

Restoration Begins: 7/12/97

Restoration Completed: 7/23/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 72.66 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2120/22 Benton

SPECIAL WASTE	BACKFILL	TOPSOIL	CA-6	CA-7	SAND	SOD	CONCRETE	OTHER
(TONS)	(LOADS)	(TONS)	(TONS)	(TONS)	(TONS)	CU.YDS.		
94.46	4	74.34				420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2120/22 Benton 489 583

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

337 604
272 4643

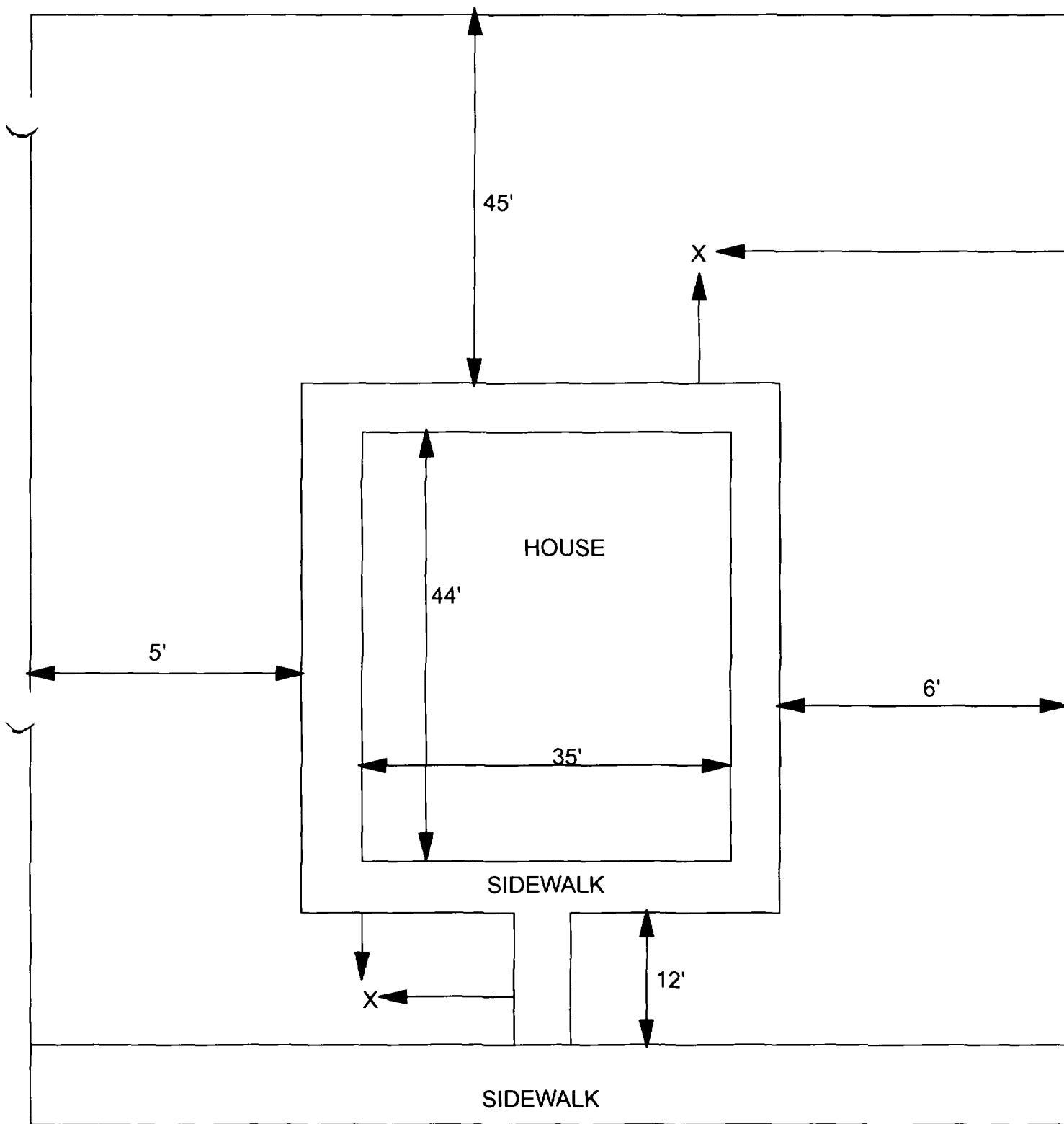
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

190 58

Depth
Excav.
(inch)

6



X = SAMPLE POINT

2120/22 BENTON
45' X 101'

OHM 
Corporation
Findlay, Ohio

Drawn By: **EDJ** Checked By:

Date: 7/29/98 Approved By:

Scale: **NTS** Drawing No:

2121 Benton

Action Date: 10/4/97

Loadout: 10/9/97

Restoration Begins: 10/9/97

Restoration Completed: 10/21/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 47.75 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2121 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
62.08		16				180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2121 Benton 338 745
 699 774

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

415 455

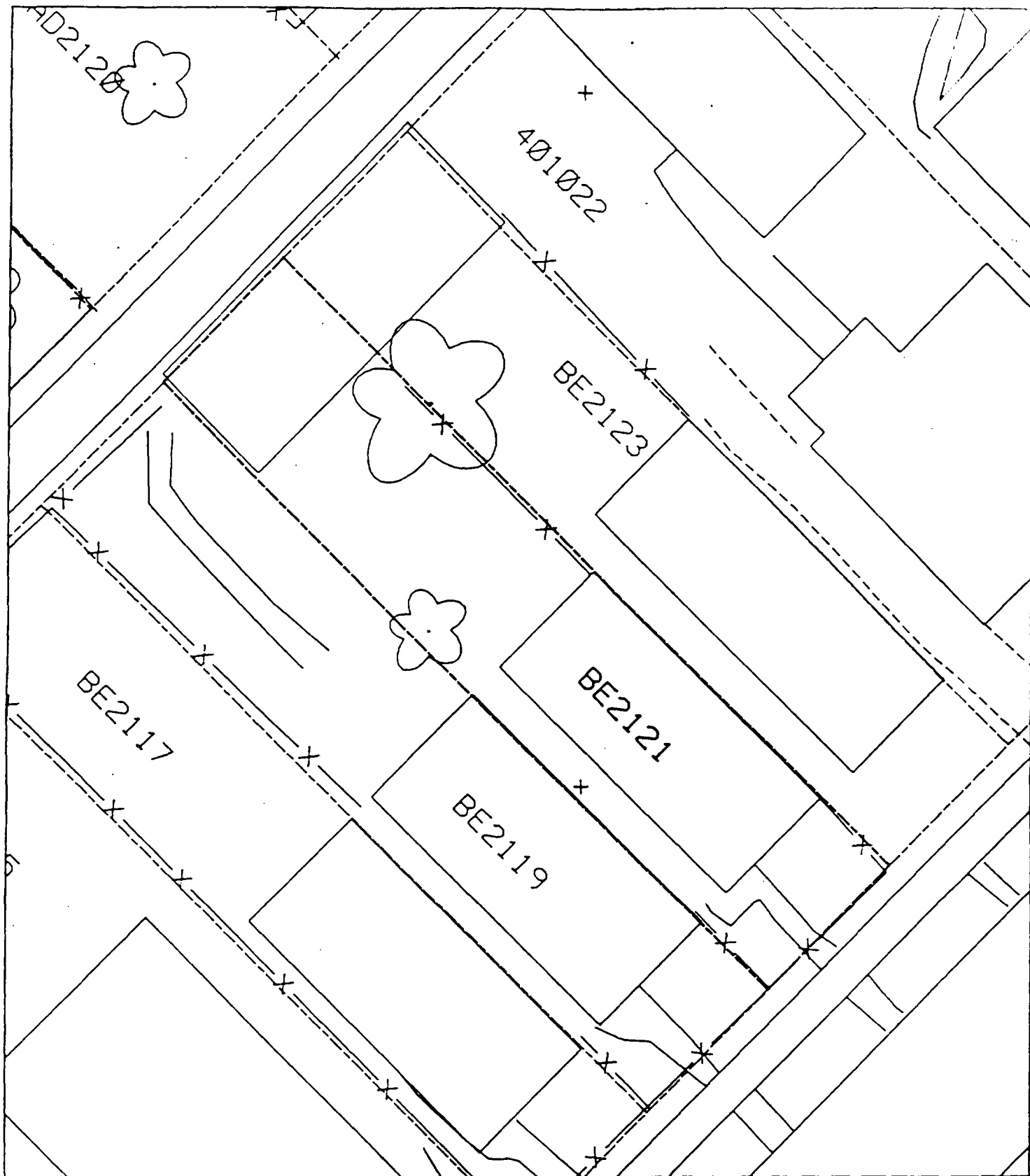
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

148 325

Depth
Excav.
(inch)

3



2123 Benton

Action Date: 12/15/97

Loadout: 12/16/97

Restoration Begins: 12/16/97

Restoration Completed: 12/18/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 29.89 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2123 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
38.86	3			15.3		180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2123 Benton 345 **541**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

510 464

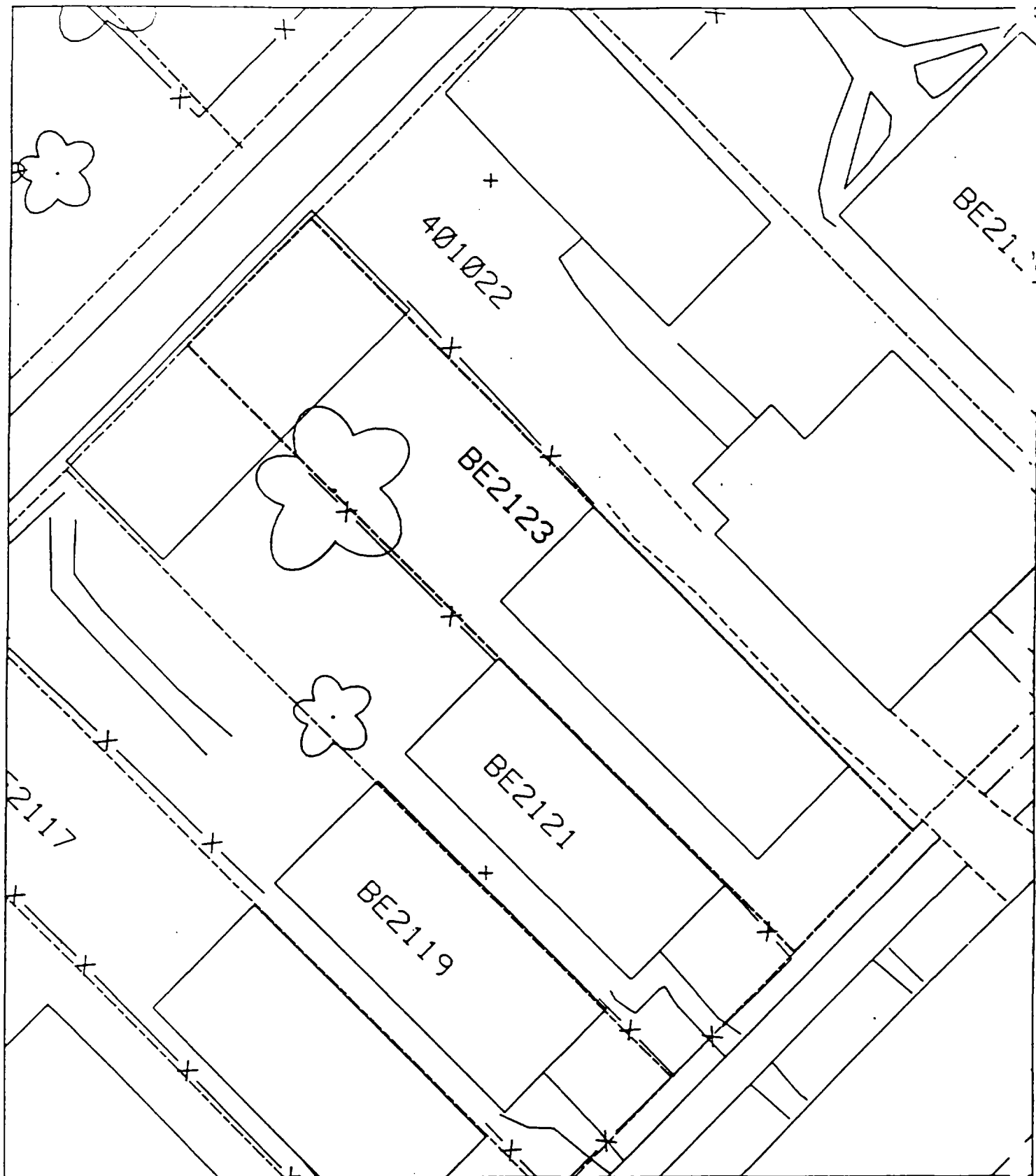
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

109 360

Depth
Excav.
(inch)

6



alt 6

—

—

.

—

2124/26/28 Benton

Action Date: 5/4/97

Loadout: 5/16/97

Restoration Begins: 5/17/97

Restoration Completed: 6/4/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 123.86 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2124/26/28 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
161.02	6	68.34	76.59			660		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2124-28 Benton 399
 178 415

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

383
 246 **590**
 208 **630**

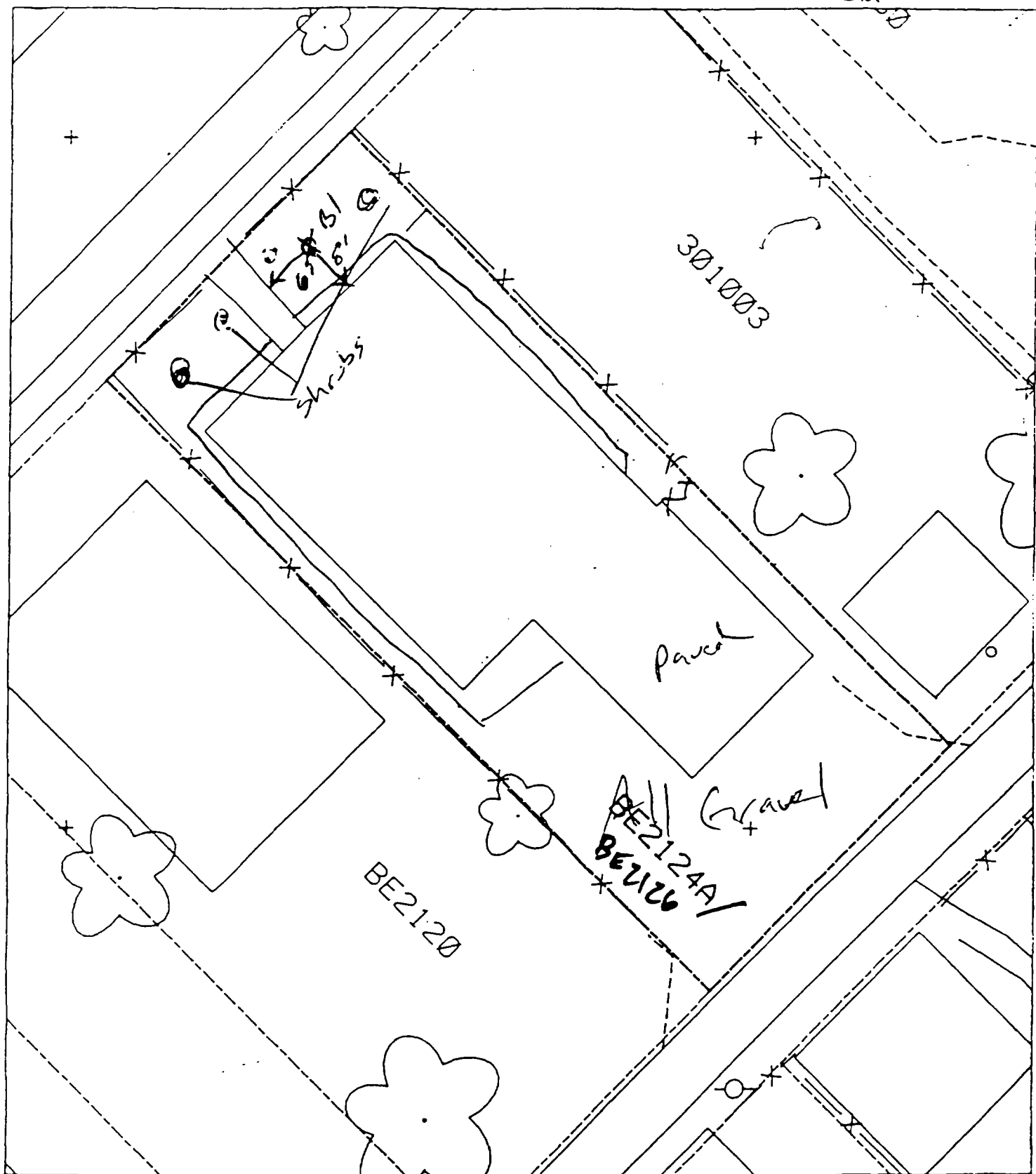
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

141
 46 377

Depth
Excav.
(inch)

6



B1 - 6' east of sidewalk,
8' north of house.

B2 - All gravel in backyard.

To paved 85%

alt 62

1

2

3

2129/31 Benton

Action Date: 5/1/97

Loadout: 5/5/97

Restoration Begins: 5/8/97

Restoration Completed: 5/19/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 32.16 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

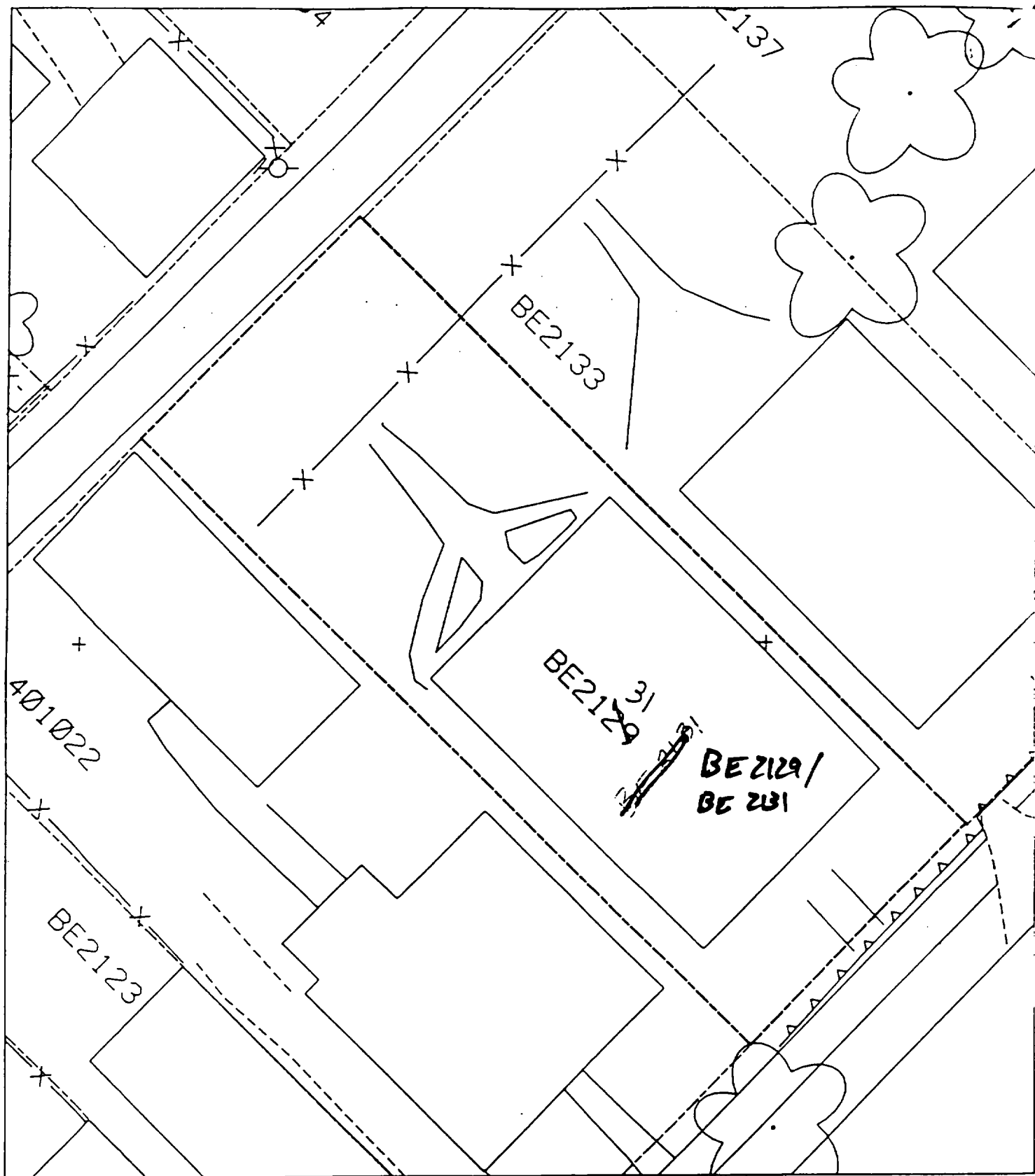
QUANTITY SUMMARY FOR

2129/31 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
41.81				17.55		150		

**Sampling Analysis
Project #19531**

Street/Number Address	0 - 3" Front and Back			3-6" Front and Back			6-12" Front and Back			Depth Excav. (inch)
	A	A	A	B	B	B	C	C	C	
	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	
2129/31 Benton	429	586		480	472		312	159		3



2133/35 Benton

Action Date: 5/1/97

Loadout: 5/5/97

Restoration Begins: 5/5/97

Restoration Completed: 5/19/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 39.55 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2133/35 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
51.42			74.45	16.25		150		

**Sampling Analysis
Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2133/35 Benton **560** 341
 309 **655**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

604 243
 276 389
 352 **699**

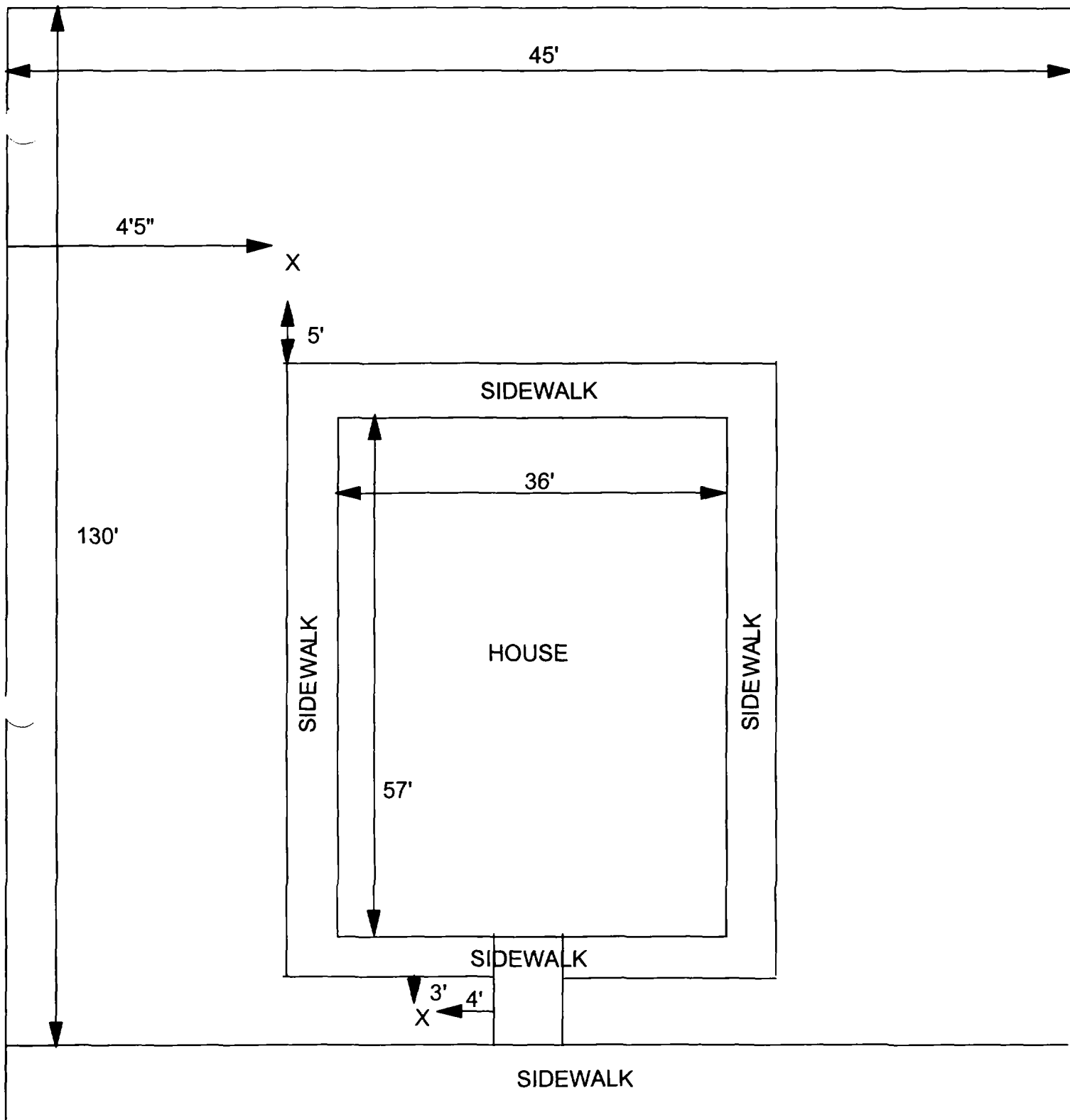
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

347 61

Depth
Excav.
(inch)

6



X = SAMPLE POINT

2133/35 BENTON

TOTAL
DIMENSIONS
130' X 45'

**OHM
CORPORATION**
Findlay, Ohio

Drawn By	Checked By
Date:	Approved By:
Scale:	Drawing No:

2137/39 Benton

Action Date: 5/1/97

— Loadout: 5/6/97

Restoration Begins: 5/6/97

Restoration Completed: 5/20/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 127.22 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2137/39 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
165.39	10	90.21	28.35			180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2137/39 Benton 326 621
 128 330

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

319 318

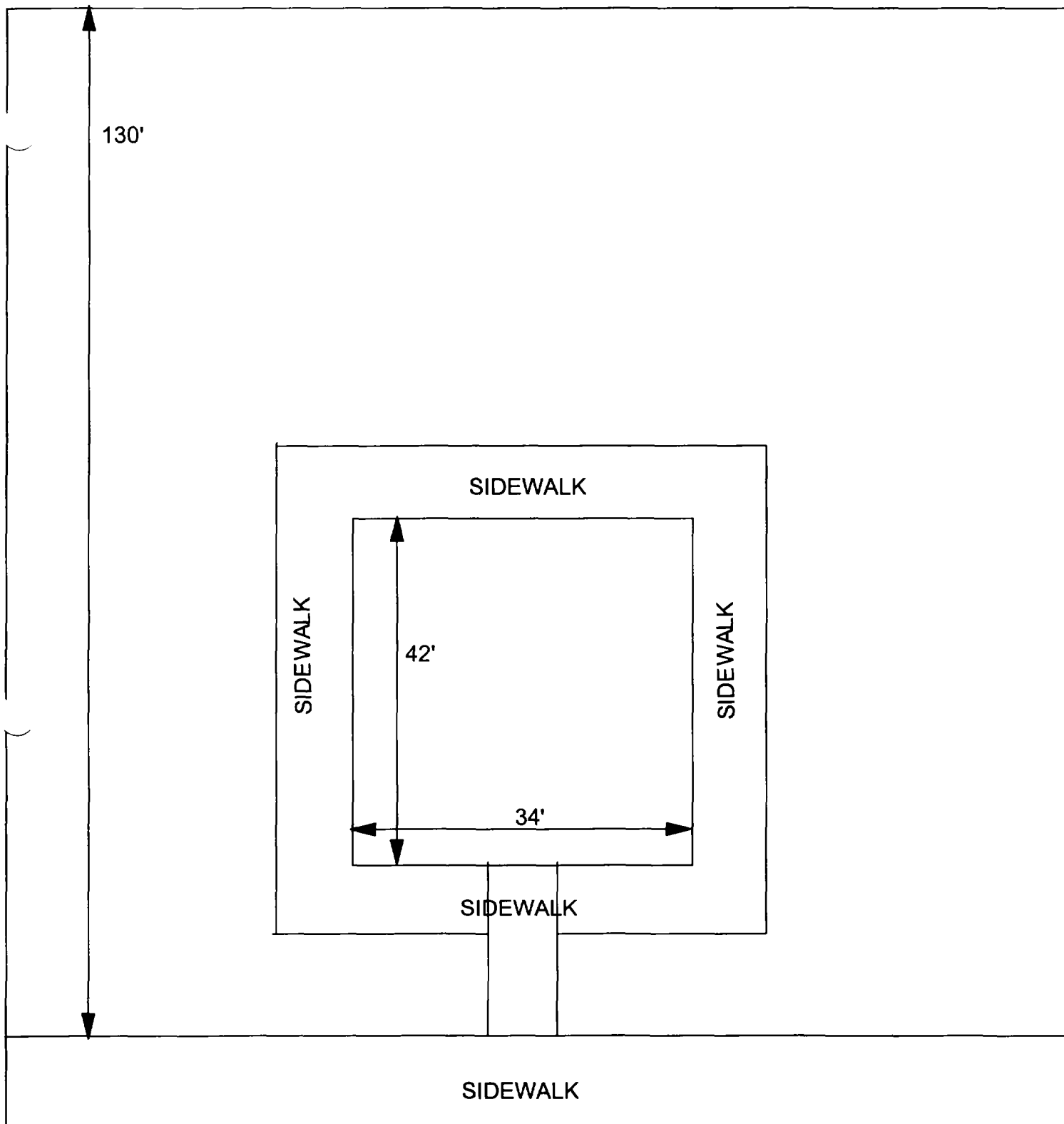
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

511 207
 497 274

Depth
Excav.
(inch)

12



X = SAMPLE POINT

2137/39 BENTON

**OHM
CORPORATION**
Findlay, Ohio

Drawn By: _____ Checked By: _____

Date: _____ Approved By: _____

Scale: _____ Drawing No: _____

2138 Benton

Action Date: 5/19/97

Loadout: 5/20/97

Restoration Begins: 5/21/97

Restoration Completed: 6/7/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 126.70 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2138 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
164.72	3	151.47	29.3	14.5		444		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2138 Benton **570** 460

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

530 260
 345 232
696 432

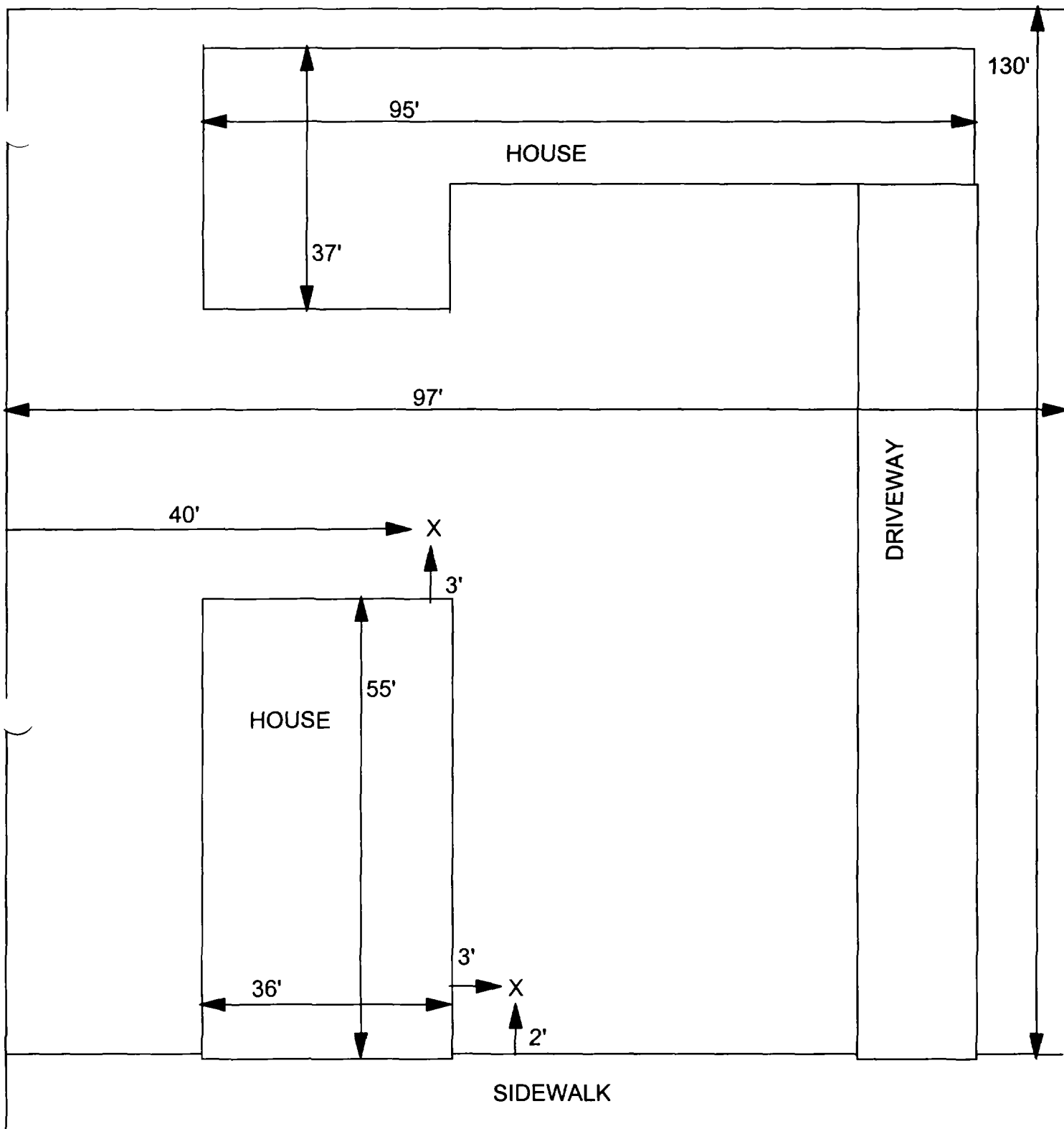
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

110 100

Depth
Excav.
(inch)

6



X = SAMPLE POINT

2138 BENTON

TOTAL
DIMENSIONS
130' X 97'

OHM CORPORATION
Findlay, Ohio

Drawn By:	Checked By:
Date:	Approved By:
Scale:	Drawing No:

2140/42 Benton

Action Date: 7/7/97

Loadout: 7/8/97

Restoration Begins: 7/9/97

Restoration Completed: 7/18/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 57.17 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2140/42 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
74.33	2	63.27	14.35	13.95		317		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2140/42 Benton 402 523

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

417 618

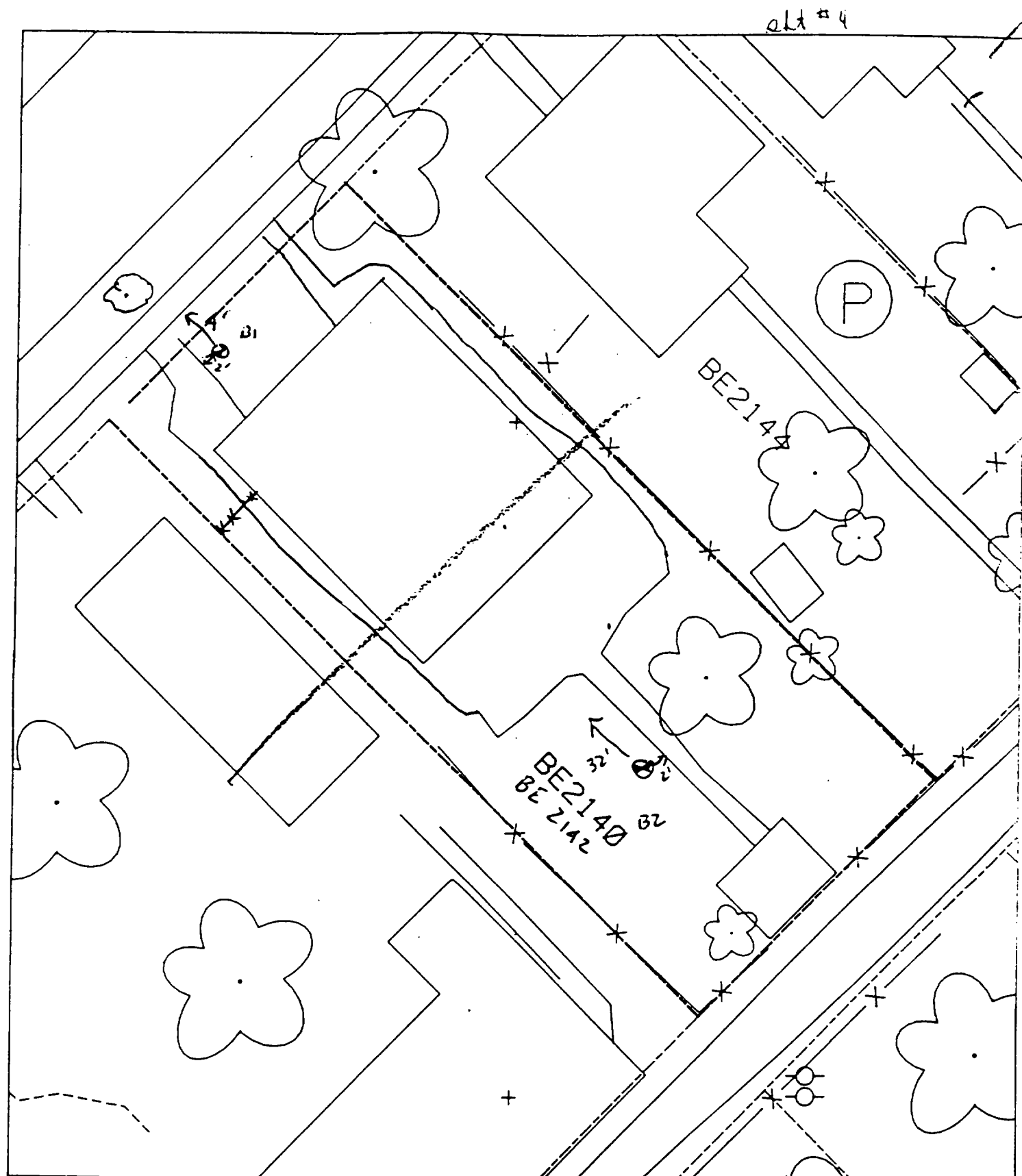
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

230 157

Depth
Excav.
(inch)

6



B1 4' from front walk
 2' from walk into house
 B2 32' from house
 2' from walk

House & pavement = 50%

2153/55 Benton

Action Date: 5/12/97

— Loadout: 5/13/97

Restoration Begins: 5/14/97

Restoration Completed: 5/20/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 96.49 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2153/55 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
125.44	6	31.88		13.5		378		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2153/55 Benton 248 **963** 218
 514

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

142 **814** **545**

6 - 12" Front and Back

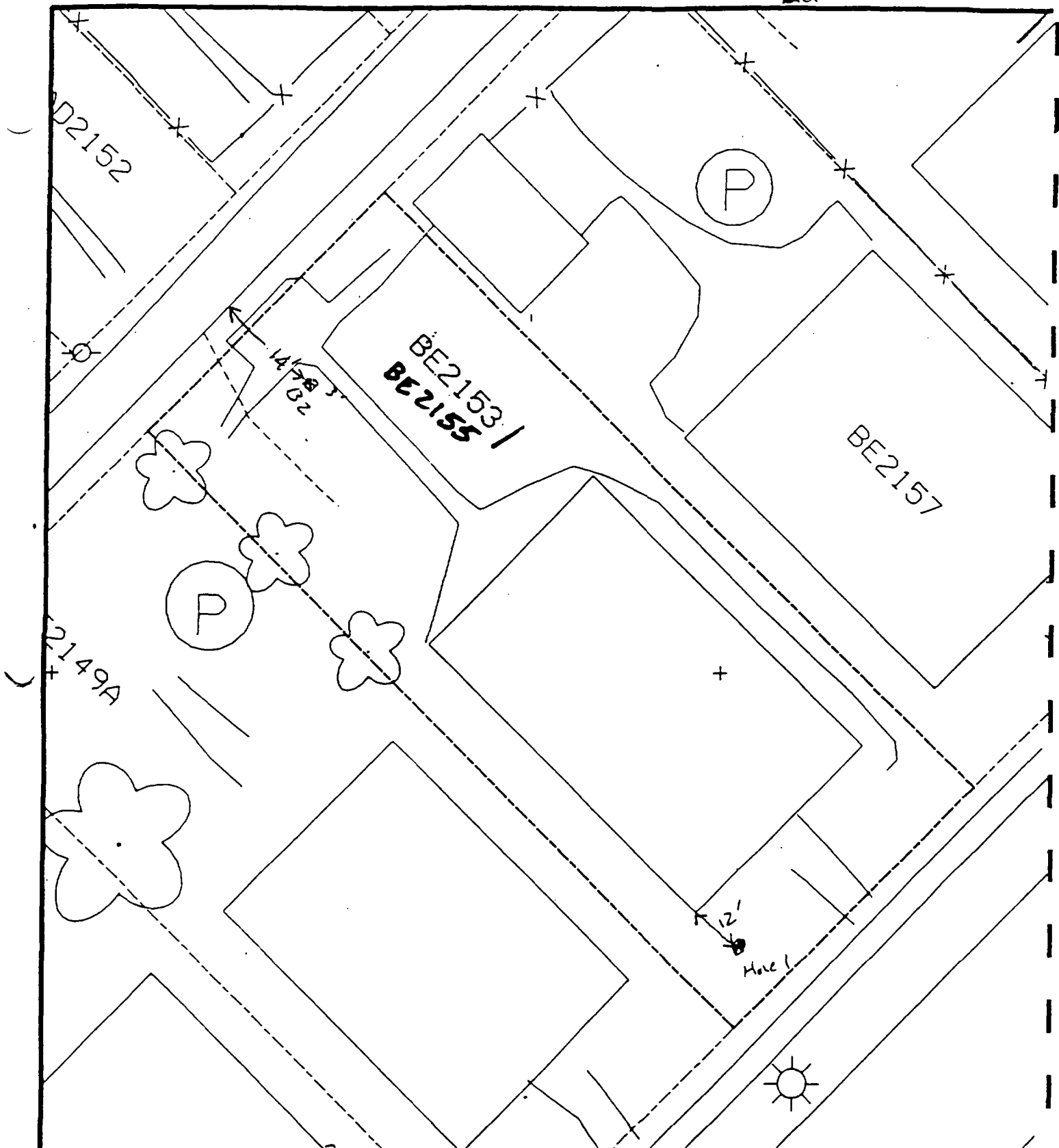
C	C	C
PPM	PPM	PPM
No.	No.	No.

55 186 96

Depth
Excav.
(inch)

6

skt #1



Comments: House & Pavement = 50%

B2 14' from Alley
3' S from Sidewalk

Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION NL/TARACORP SUPERFUND SITE GRANITE CITY, IL		PROJECT NO. 89MC114
Woodward-Clyde Consultants Engineering & sciences applied to the earth & its environment		
DRN. BY:	2153 BENTON ST.	Resident ID N
CHKD. BY:		BE2153

2158 Benton

Action Date: 5/28/97

Loadout: 5/29/97

Restoration Begins: 5/29/97

Restoration Completed: 6/5/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 64.65 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

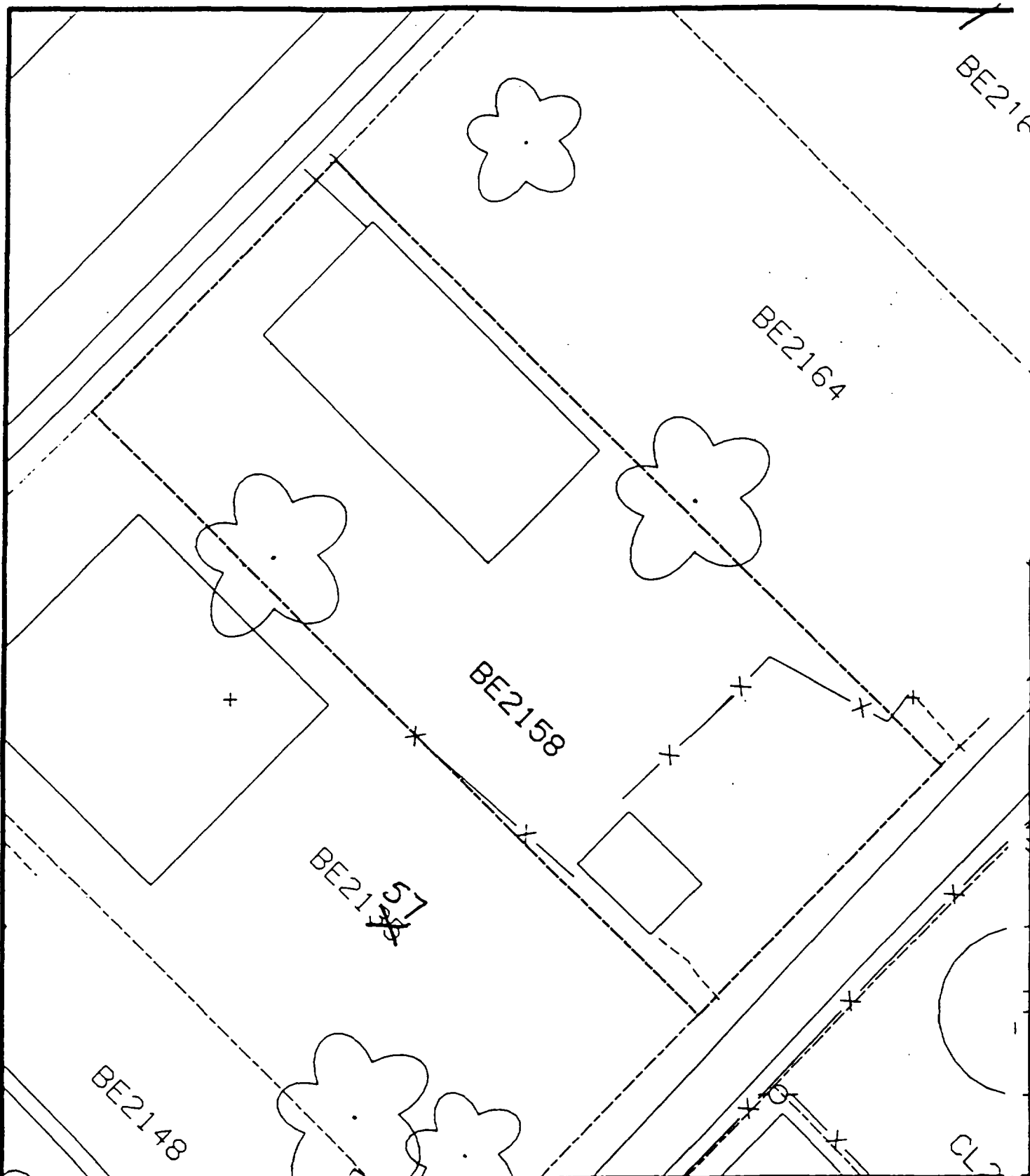
QUANTITY SUMMARY FOR

2158 Benton

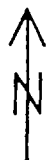
SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
84.05	3	74.87	14.8			444.5		

**Sampling Analysis
Project #19531**

Street/Number Address	0 - 3" Front and Back			3-6" Front and Back			6-12" Front and Back			Depth Excav. (inch)
	A PPM No.	A PPM No.	A PPM No.	B PPM No.	B PPM No.	B PPM No.	C PPM No.	C PPM No.	C PPM No.	
2158 Benton	353 9536	555 373	380	183 406	524 604	331	61	257	162	6



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4

Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2158 BENTON ST.

Resident ID

BE2158

2165 Benton

Action Date: 5/29/97

Loadout: 6/2/97

Restoration Begins: 6/2/97

Restoration Completed: 6/3/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 42.24 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2165 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
54.92		30.36				190.5		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2165 Benton 846 306

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

44 749

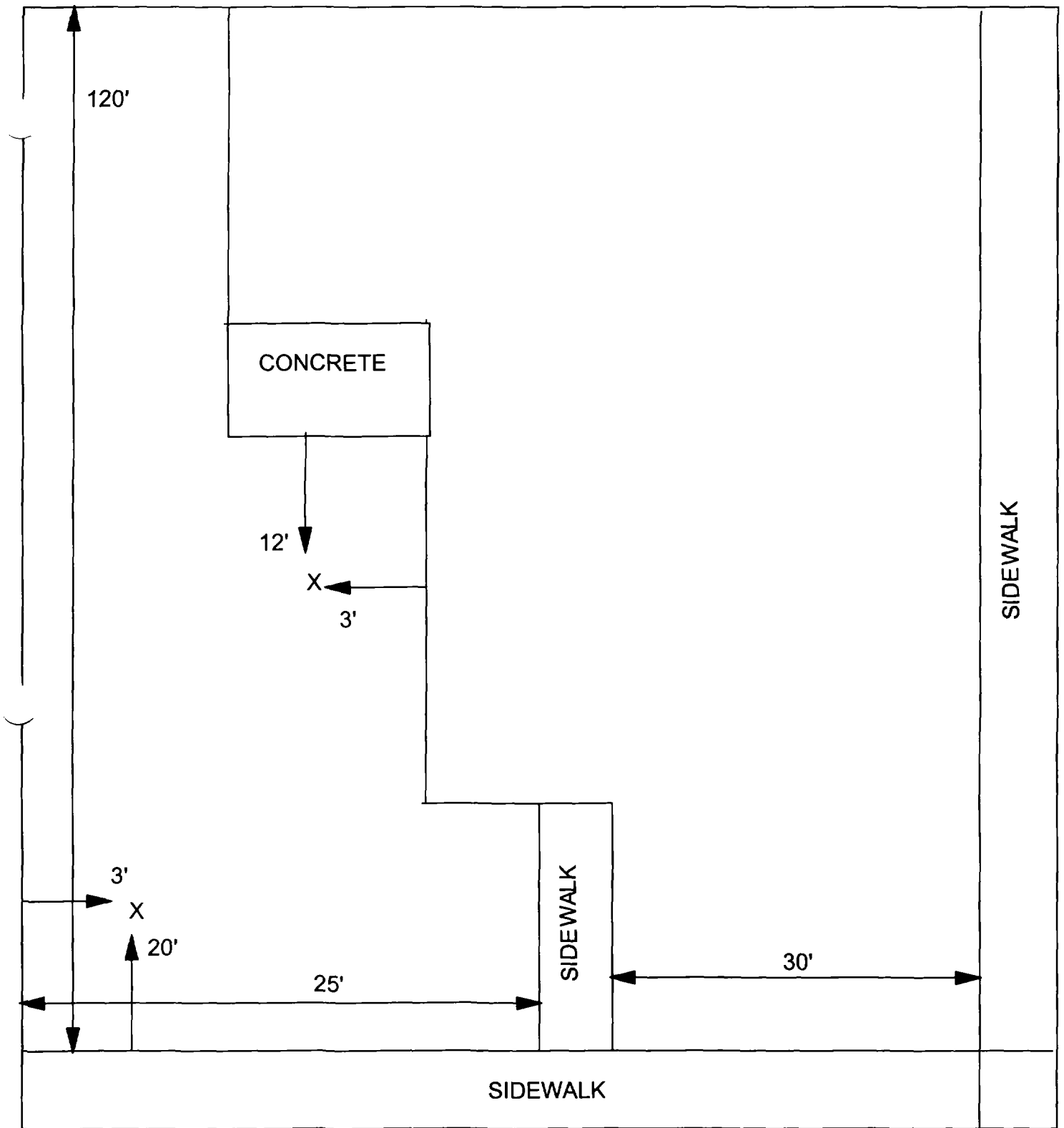
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

572 575

Depth
Excav.
(inch)

12



X = SAMPLE POINT

2165 BENTON

TOTAL
DIMENSIONS
120' X 60'

**OHM
CORPORATION**
Findlay, Ohio

Drawn By:

Checked By:

Date:

Approved By:

Scale:

Drawing No:

2222 Benton

Action Date: 9/8/97

Loadout: 9/11/97

Restoration Begins: 9/11/97

Restoration Completed: 9/29/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 229.47 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Schneider-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2222 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
298.32	5	108.05	76.55	25.35		540		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2222 Benton **748** 198

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

574 **540**

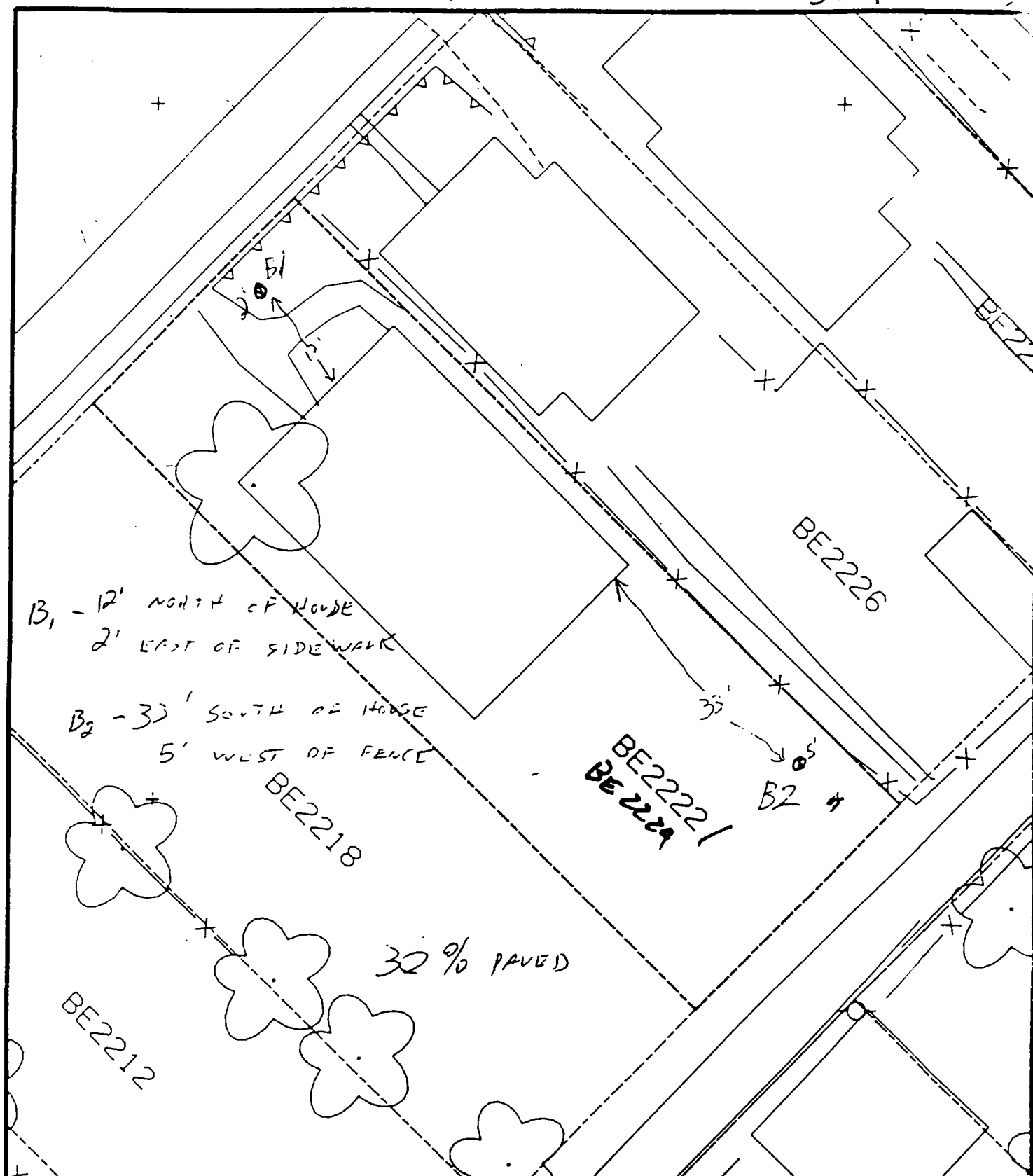
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

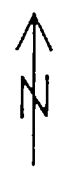
226 365

Depth
Excav.
(inch)


6



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION NL/TARACORP SUPERFUND SITE GRANITE CITY, IL		PROJECT NO. 89/MCII4V
Woodward-Clyde Consultants 		
Engineering & sciences applied to the earth & its environment		
DRN. BY: CHKD. BY:	2222 BENTON ST.	Resident ID No. BE2222

2226 Benton

Action Date: 9/2/97

Loadout: 9/4/97

Restoration Begins: 9/4/97

Restoration Completed: 9/26/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 82.88 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Sod Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2226 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
107.75	6	42	44.4	14.6		240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2226 Benton **527** **533**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

404 **660**

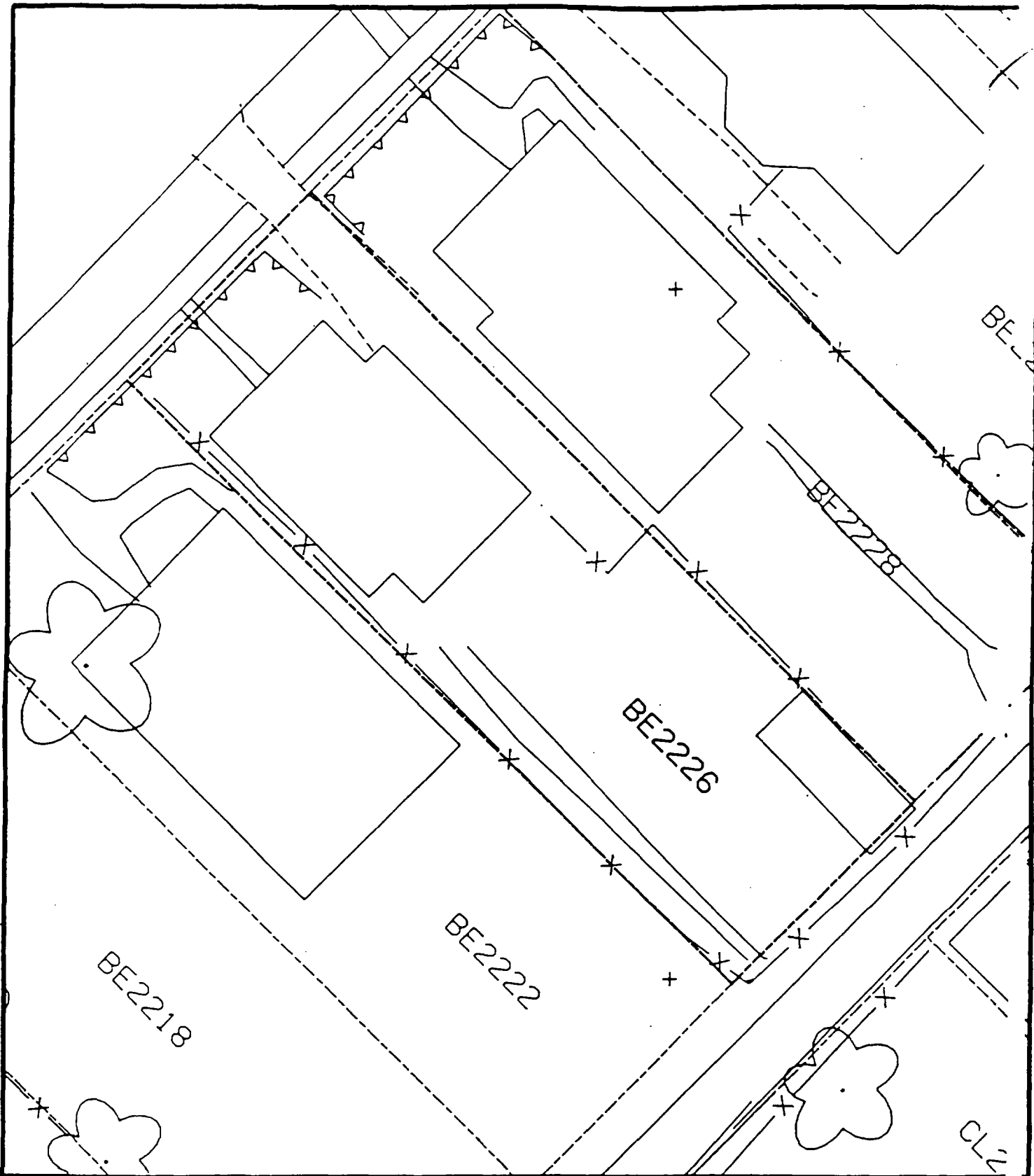
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

47 337

Depth
Excav.
(inch)

6



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment



DRN. BY:

CHKD. BY:

2226 BENTON ST.

Resident ID No.

BE2226

2228 Benton

Action Date: 9/2/97

Loadout: 9/3/97

Restoration Begins: 9/5/97

Restoration Completed: 9/26/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 46.76 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Sod Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2228 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
60.8		58.85				360		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2228 Benton **700** **689**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

226 337

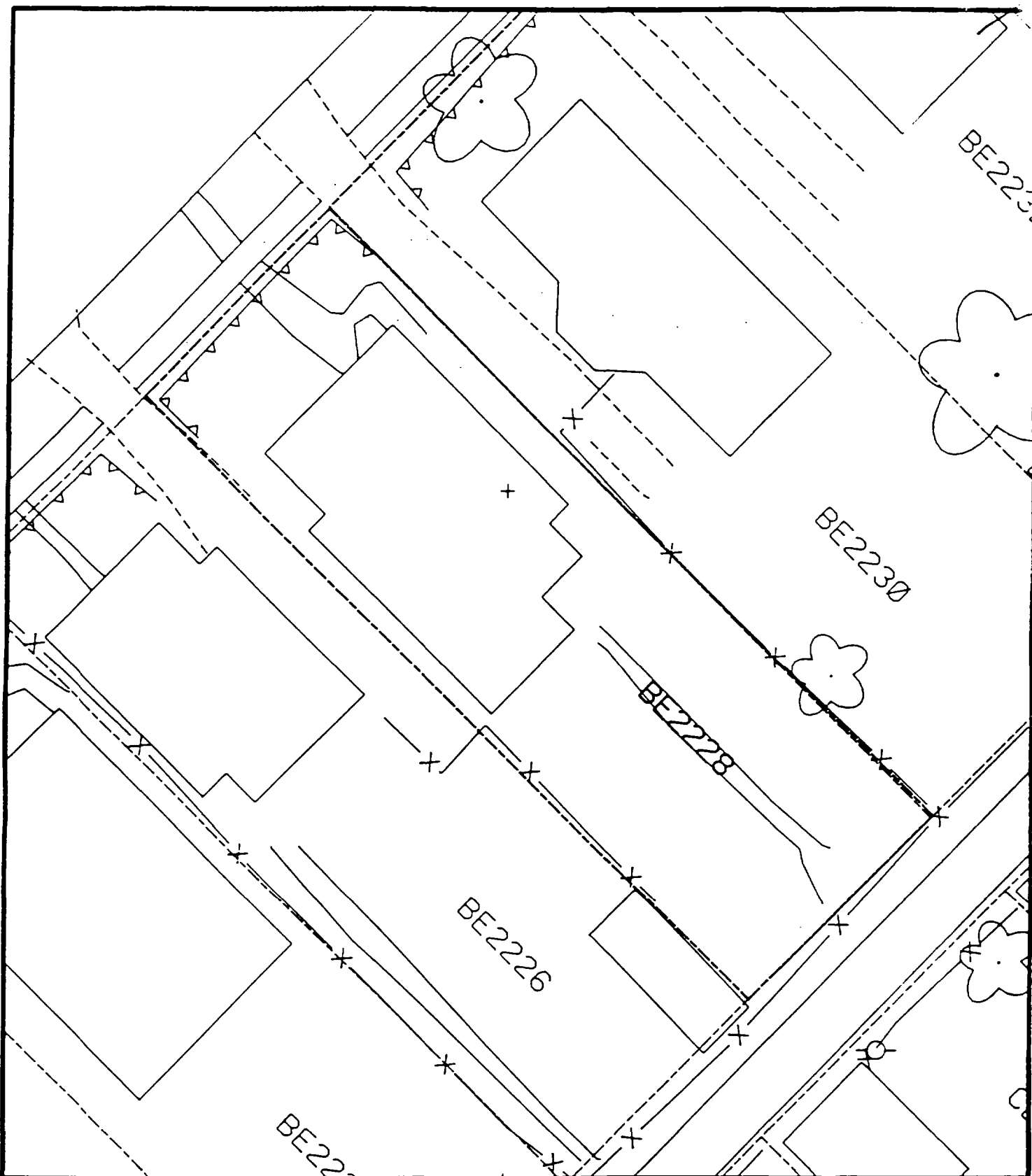
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

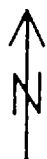
83 154

Depth
Excav.
(inch)

3



Comments: _____



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.

89MCII4V

Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2228 BENTON ST.

Resident ID No.

BE2228

2231 Benton

Action Date: 5/11/98

Loadout: 5/14/98

Restoration Begins: 5/13/98

Restoration Completed: 5/19/98

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 42.30 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2231 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
55	4		30.5	27.1		360		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2231 Benton **886** 192
 778 **1182**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

217 104

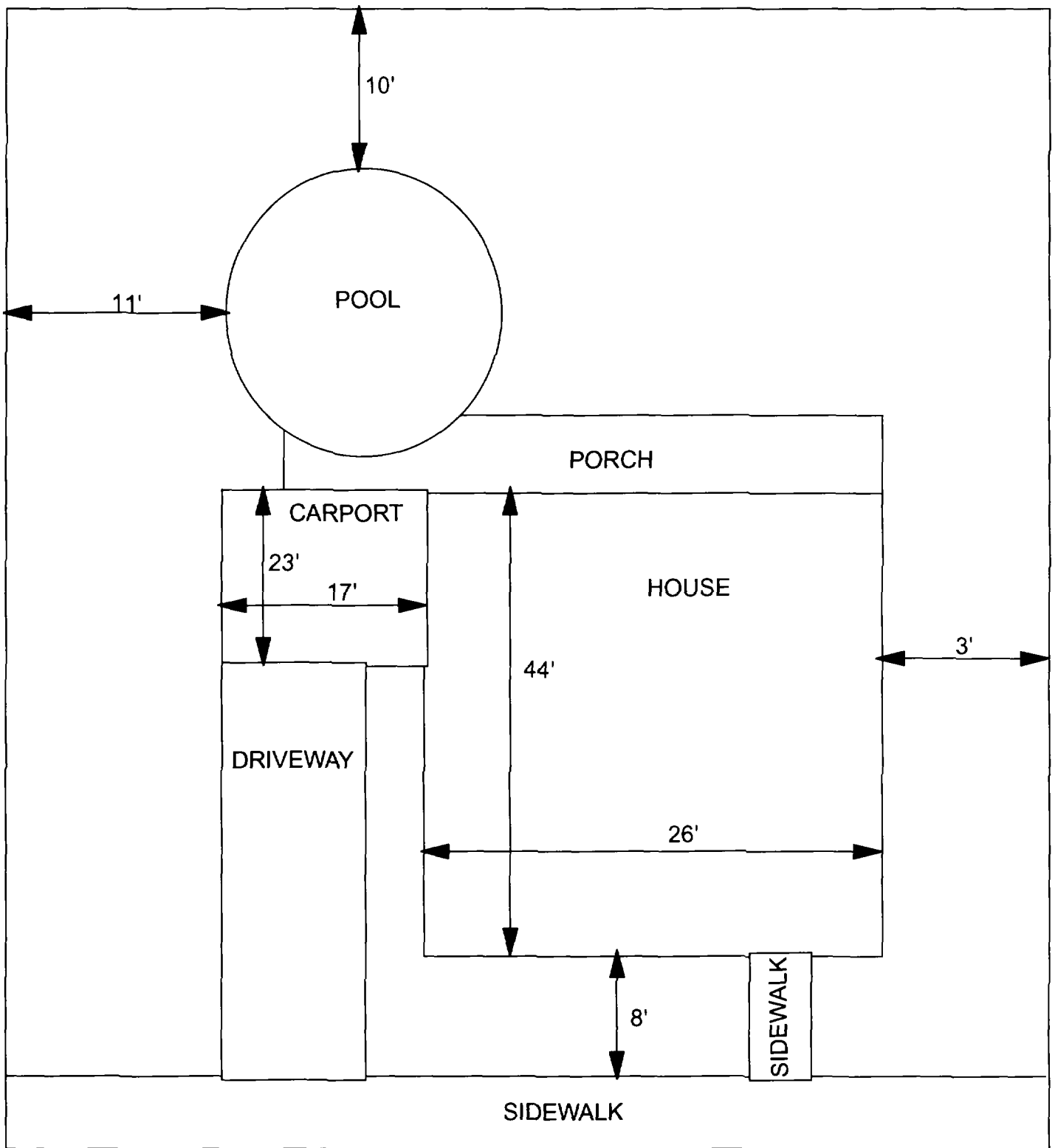
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

47 47

Depth
Excav.
(inch)

3



X = SAMPLE POINT

2231 BENTON
57' X 104'

OHM Corporation
Findlay, Ohio

Drawn By: **EDJ**

Checked By:

Date: **7/29/98**

Approved By:

Scale: **NTS**

Drawing No:

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Action Date: 5/15/98

Loadout: 5/16/98

Restoration Begins: 5/18/98

Restoration Completed: 5/21/98

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 49.50 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2240 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
64.36	5			14.5		300		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2240 Benton	555	99
	375	308
	1167	408

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

87	498
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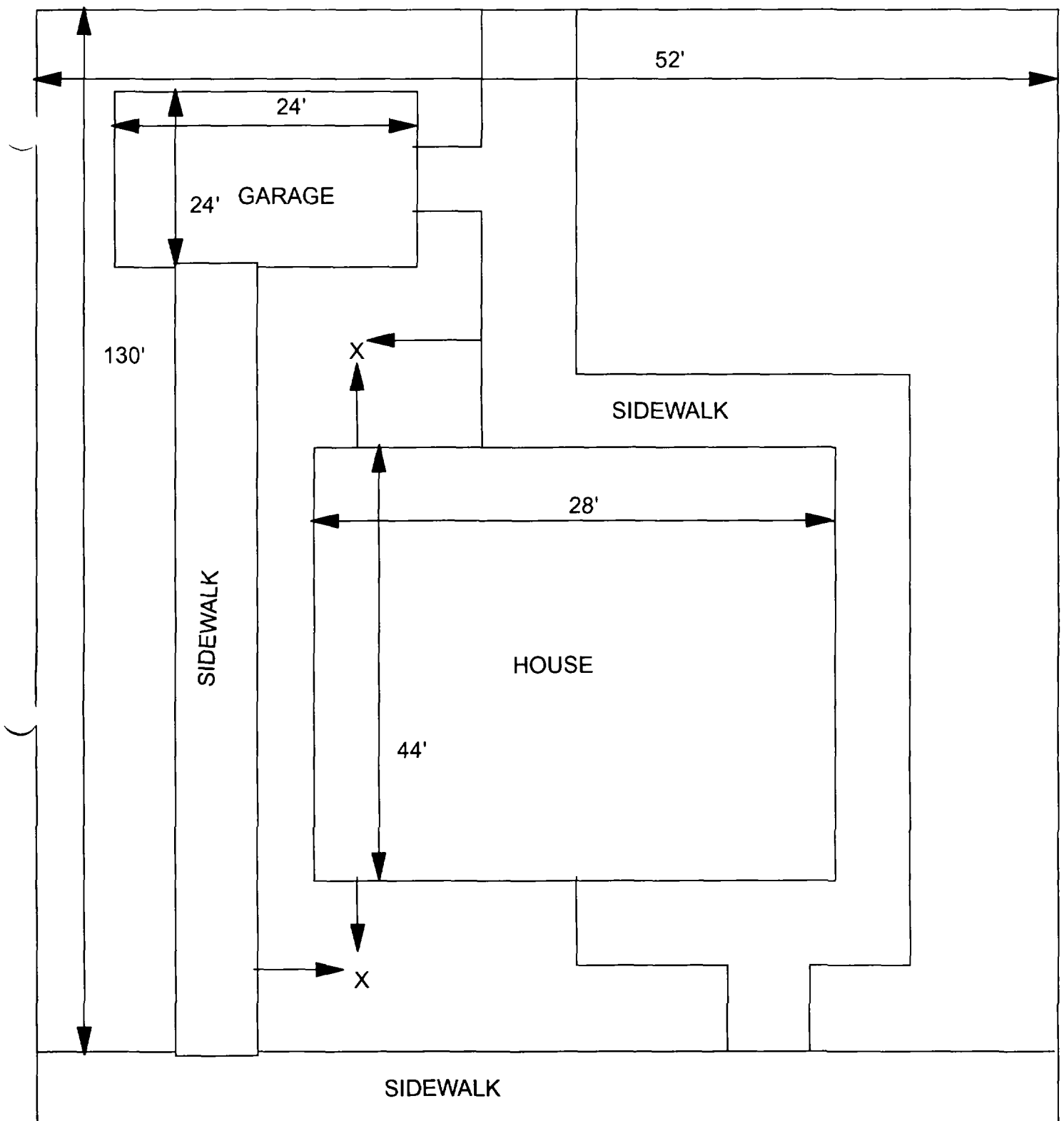
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

24	238
----	-----

Depth
Excav.
(inch)

3



X = SAMPLE POINT

2240 BENTON
52' X 130'

OHM 
Corporation
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

2248 Benton

Action Date: 8/4/97

Loadout: 8/7/97

Restoration Begins: 8/7/97

Restoration Completed: 8/26/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 30.78 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*Kubota

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Sod Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2248 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
40.02		17.33		30.4		60		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2248 Benton **524**
 518 262

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

317
 222 254

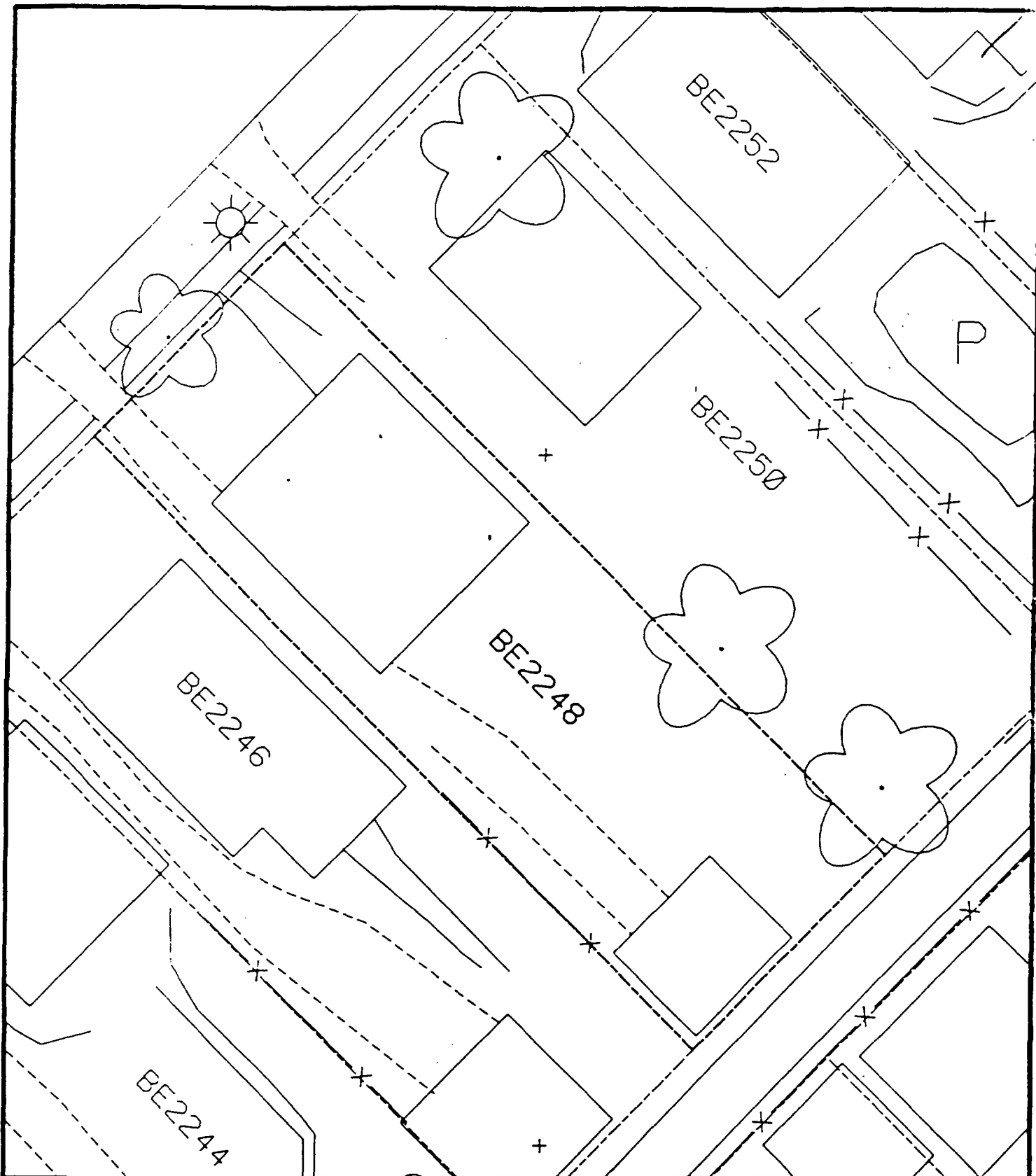
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

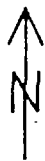
63
 34 107

Depth
Excav.
(inch)

3



Comments:



Scale: 1 in = 20ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

DRN. BY:
CHKD. BY:

2248 BENTON ST.

Resident ID No.
BE2248

1

2

3

4

2250 Benton

Action Date: 8/6/97

Loadout: 8/8/97

Restoration Begins: 8/14/97

Restoration Completed: 9/4/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 33.16 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*KABOTA

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2250 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
43.12		30.75	14.55	14.65		420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2250 Benton	545	295	
	484	183	

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

282	162	
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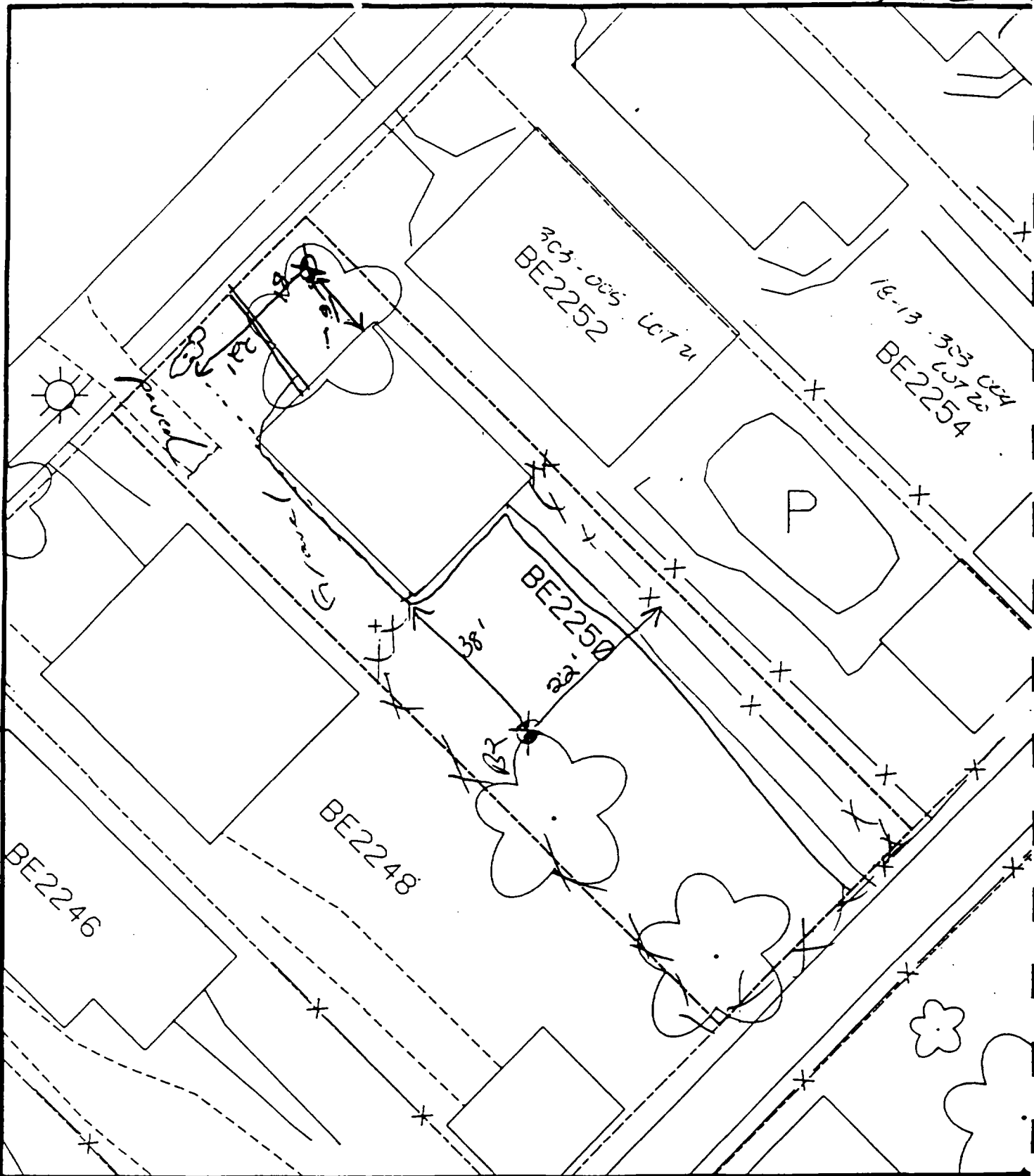
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

63	130	
----	-----	--

Depth
Excav.
(inch)

3



Comments:

7.1 level 3590

BE 2246 303-007 LOT 22, 23
2246 303-008 LOT 23
2244 303-009 LOT 24
β' - 14' north of house's,
22' east of corner
Scale: 1 in = 20 ft of house.

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2250 BENTON ST.

Resident ID No.
BE2250

2252 Benton

Action Date: 8/8/97

Loadout: 8/12/97

Restoration Begins: 8/13/97

Restoration Completed: 8/27/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 31.80 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*Kubota

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Sod Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2252 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
41.34		30.01				120		

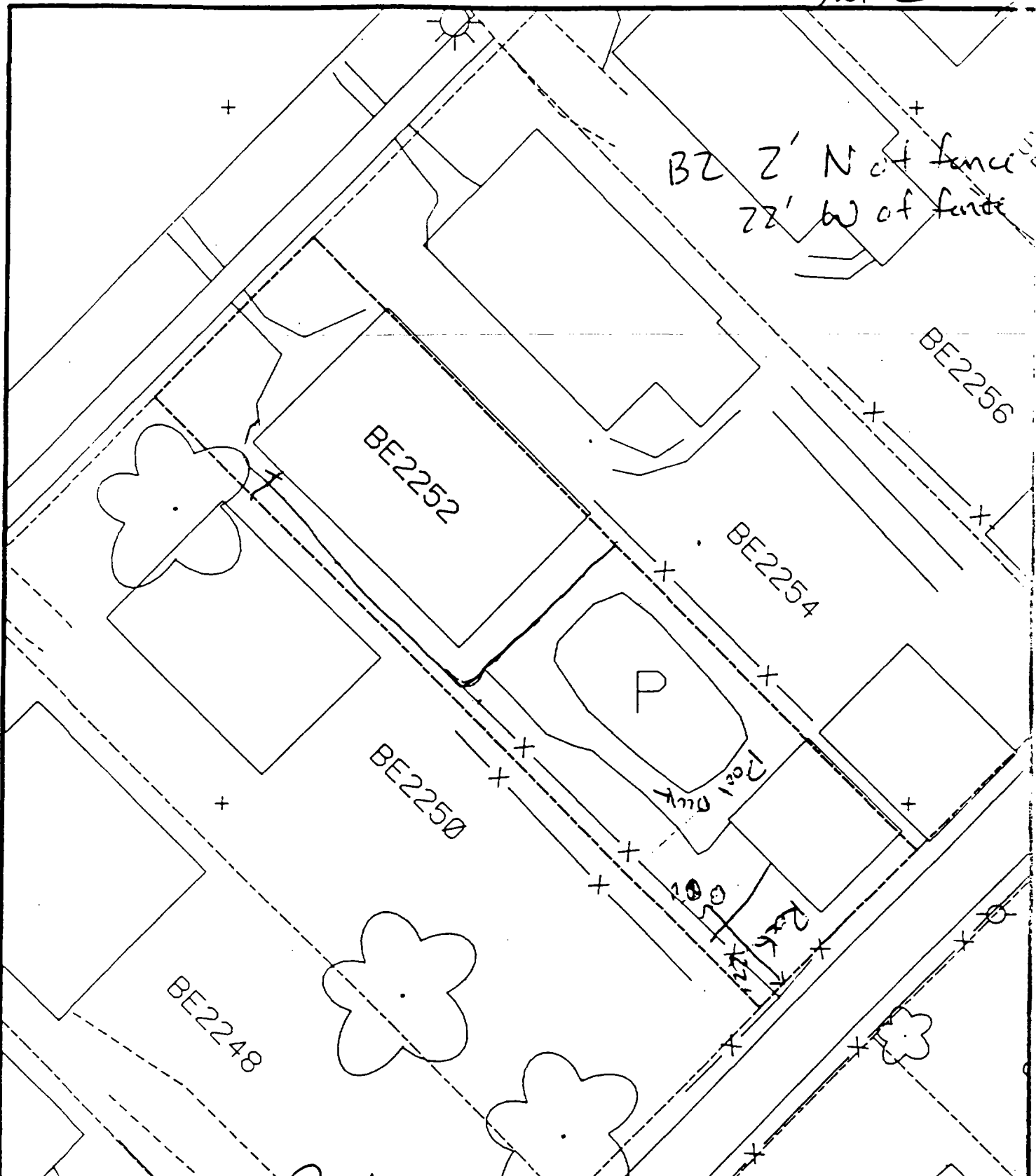
Sampling Analysis
Project #19531

0 - 3" Front and Back			
	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.
2252 Benton	436	274	

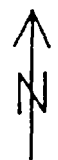
3 - 6" Front and Back		
B	B	B
PPM	PPM	PPM
No.	No.	No.
423	33	

6 - 12" Front and Back		
C	C	C
PPM	PPM	PPM
No.	No.	No.
85	604	
227	3496	

Depth
Excav.
(inch)
12



Comments: 80% Power



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION NL/TARACORP SUPERFUND SITE GRANITE CITY, IL		PROJECT NO. 89MCII4V
Woodward-Clyde Consultants Engineering & sciences applied to the earth & its environment		
DRN. BY:	2252 BENTON ST.	Resident ID No.
CHKD. BY:		BE2252

2254 Benton

Action Date: 10/30/97

Loadout: 11/4/97

Restoration Begins: 11/4/97

Restoration Completed: 11/24/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 68.25 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2254 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
88.73	3.5		16.15	12.85		180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2254 Benton 319 331
 857 412

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

188 199
770 397
 162 314

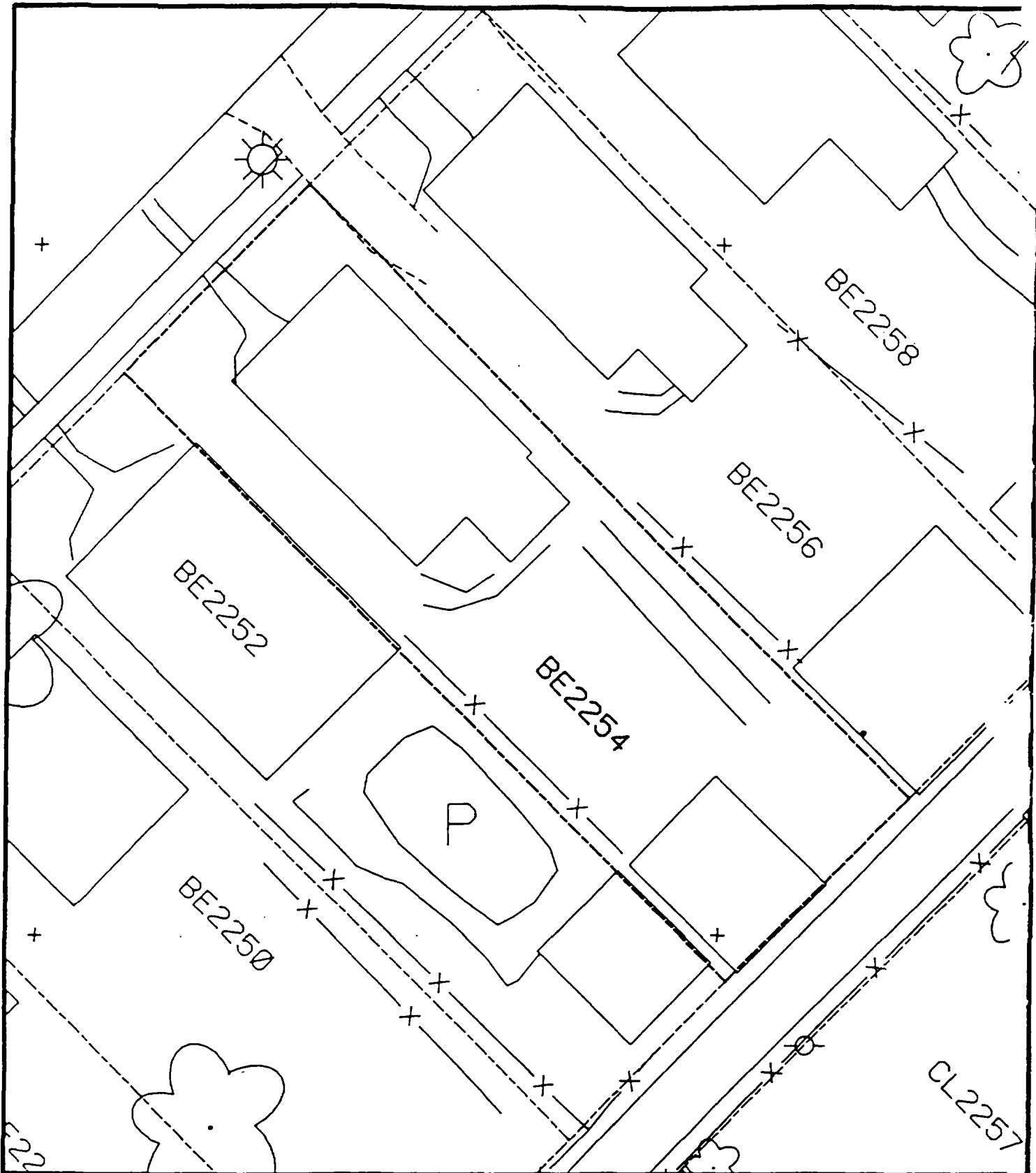
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

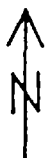
43 303
 176 410

Depth
Excav.
(inch)

3



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MC114'

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2254 BENTON ST.

Resident ID No.

BE2254

2

2

2

2256 Benton

Action Date: 10/30/97

Loadout: 10/31/97

Restoration Begins: 10/31/97

Restoration Completed: 11/24/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 46.70 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2256 Benton

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
60.72	2	31.24	14.77	13.8		240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2256 Benton	379	339	398
	645	409	

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

218	269	340
463	200	

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

164	152	153
210	193	

Depth
Excav.
(inch)

3

The map is a site plan showing a grid of rectangular plots. The plots are labeled with codes: BE2252, BE2254, BE2258, BE2264, and BE2250. A central plot is labeled 'P'. The map includes dashed lines, a sun symbol, a flower symbol, and various handwritten annotations such as '17' and '18' with arrows. The map is oriented with a north arrow in the top left corner.

B1 20' from house
2' from WALK

B2 12' to N fence
18' to back house

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

89MCI4V

Engineering & sciences applied to the earth & its environment

2256 BENTON ST.

BE2256

CHKD. BY:

2

3

4

Action Date: 4/1/97

Loadout: 4/2/97

Restoration Begins: 4/3/97

Restoration Completed: 4/24/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 94.72 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2013/15 Bryan

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
123.14	3	62	14.65	44.5		180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2013/15 Bryan **707** **1481**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

454 **873**

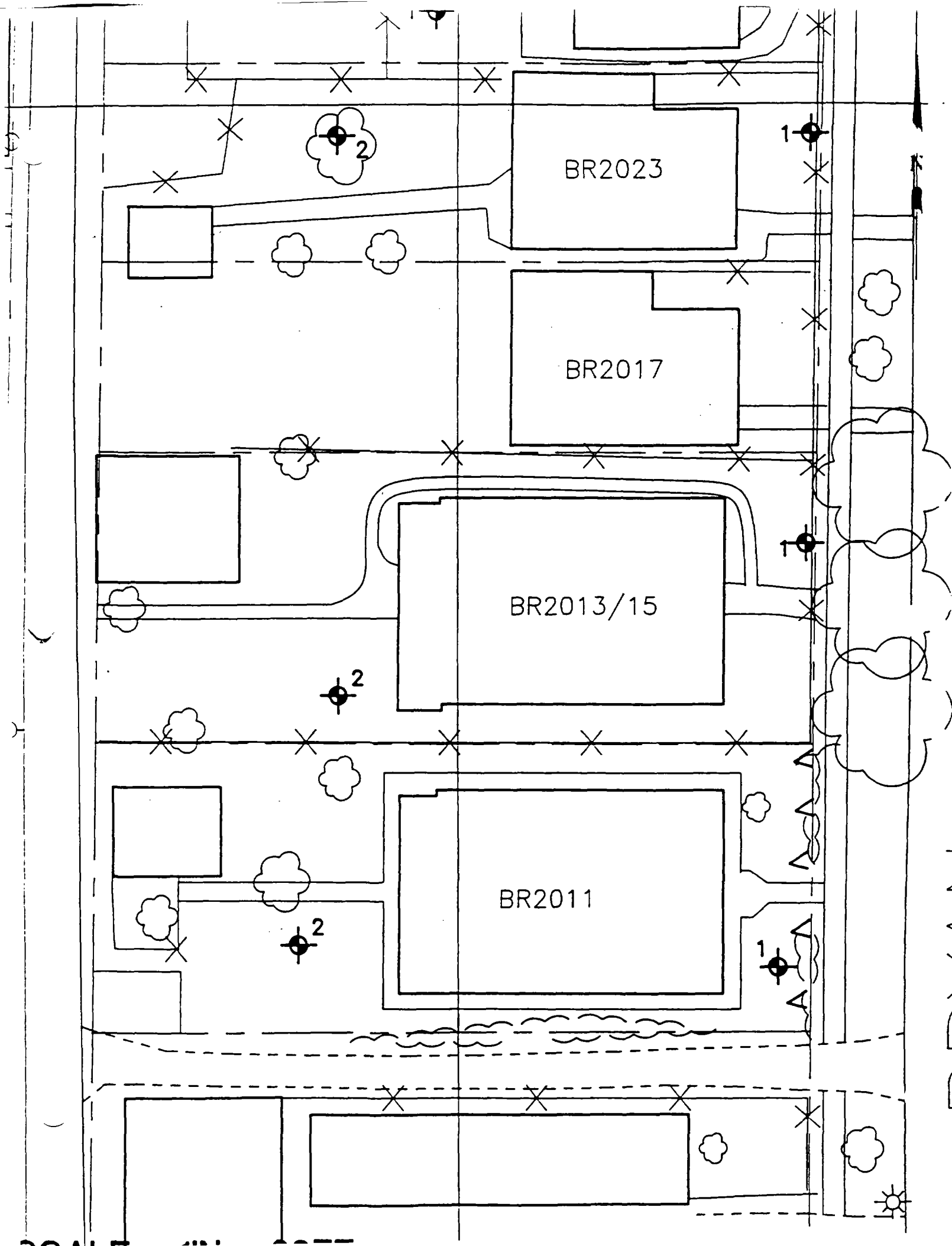
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

299 **1660**
637 144

Depth
Excav.
(inch)

12



2

2

2

2023 Bryan

Action Date: 4/28/97

Loadout: 4/30/97

Restoration Begins: 4/30/97

Restoration Completed: 5/19/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 107.85 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2023 Bryan

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
140.23	5	27.41	90.05	27.46		189		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2023 Bryan **600** **1270**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

452 **673**

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

135 **556**
355 **842**

Depth
Excav.
(inch)

12

BR2027



BR2025



BR2023

BR2019



13/15

BR2014

Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2023 BRYAN AVE.

Resident ID No.

BR2023

2027 Bryan

Action Date: 3/26/97

Loadout: 3/28/97

Restoration Begins: 3/29/97

Restoration Completed: 4/24/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 145.11 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
 PROJECT 19531
 GRANITE CITY, IL

QUANTITY SUMMARY FOR 2027 Bryan

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
188.65	8	163		55.35		300		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2027 Bryan 1330

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

2700

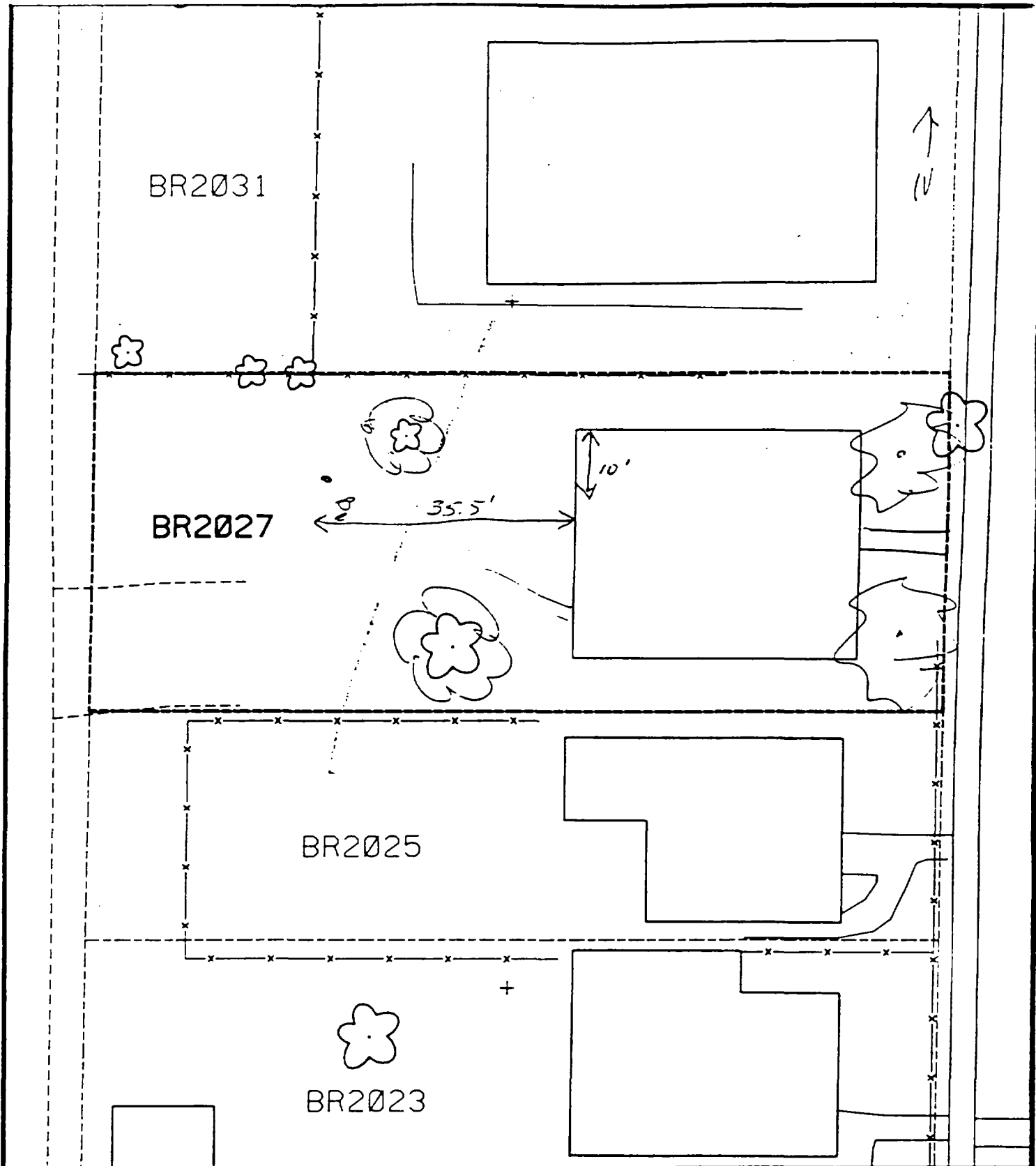
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.


545

Depth
Excav.
(inch)


12



Comments:

3, IS 35.5 FT WEST OF NW HOUSE
CORNER AND 10' ^{well} ~~house~~ OF NW
HOUSE CORNER 

3₂ - NOT TAKEN - COMPLETELY COVERED
BY CAMOPY
Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION NL/TARACORP SUPERFUND SITE GRANITE CITY, IL		PROJECT NO. 89MCII4V
Woodward-Clyde Consultants  Engineering & sciences applied to the earth & its environment		
DRN. BY:	2027 BRYAN AVE.	Resident ID No. BR2027
CHKD. BY:		

2029/31 Bryan

Action Date: 3/26/97

Loadout: 3/28/97

Restoration Begins: 3/29/97

Restoration Completed: 4/22/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 118.36 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2029/31 Bryan

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
153.89	2	71.09	45.33	25.55		240		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2029/31 Bryan 395 693

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

361 677
 270 625

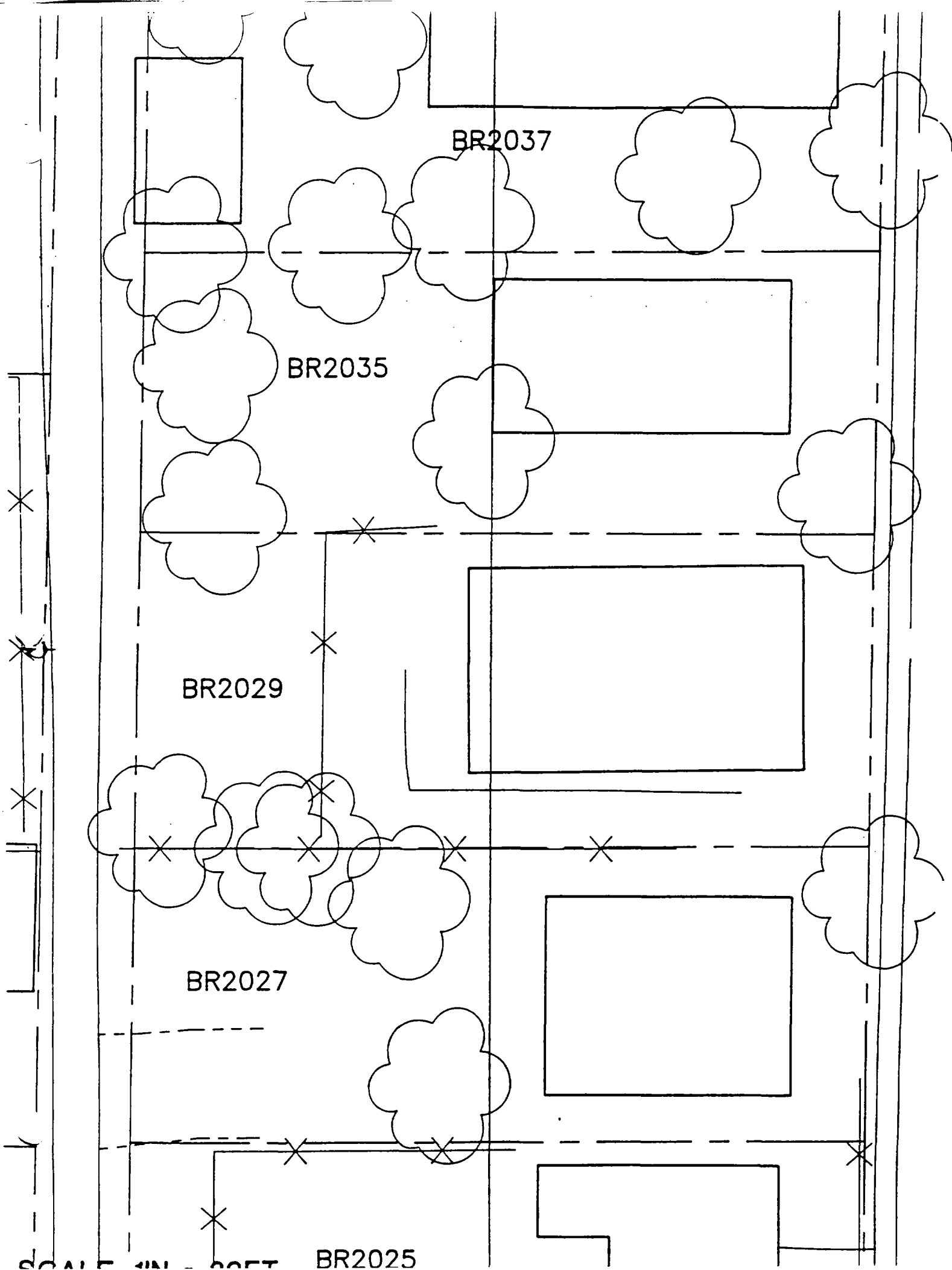
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

348 531

Depth
Excav.
(inch)

6



BR2037

BR2035

BR2029

BR2027

BR2025

SCALE 1" = 20 FT

Action Date: 6/19/97

Loadout: 6/21/97

Restoration Begins: 6/21/97

Restoration Completed: 7/18/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 138.03 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Schneider-turf farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2037 Bryan

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
179.45	11	107.35	30.55			508		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2037 Bryan 475 **559**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

564 **589**

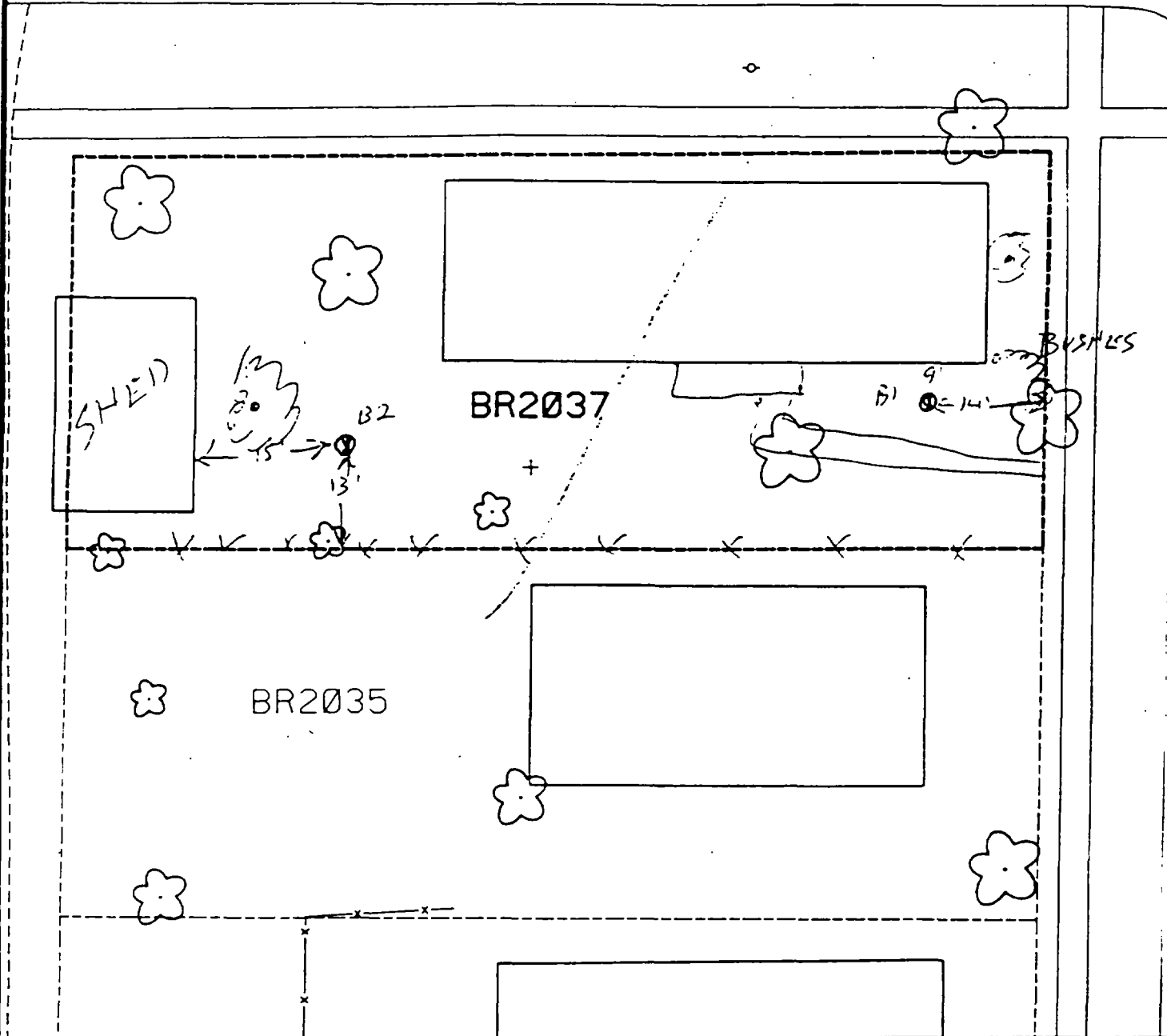
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

587 318
 490 **825**

Depth
Excav.
(inch)

12



Comments:

B1 - 9' SOUTH OF HOUSE
14' WEST OF SIDEWALK

B2 - 15' EAST OF SHED
13' NORTH OF FENCE

Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.

89MC114V

Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2037 BRYAN AVE.

Resident ID No.

BR2037

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2103 Bryan

Action Date: 11/20/97

Loadout: 11/24/97

Restoration Begins: 11/24/97

Restoration Completed: 12/17/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 159.33 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2103 Bryan

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
207.13	8	32.26	58.9	90.5		420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2103 Bryan 467 **1574**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

175 **875**
 339 **1162**

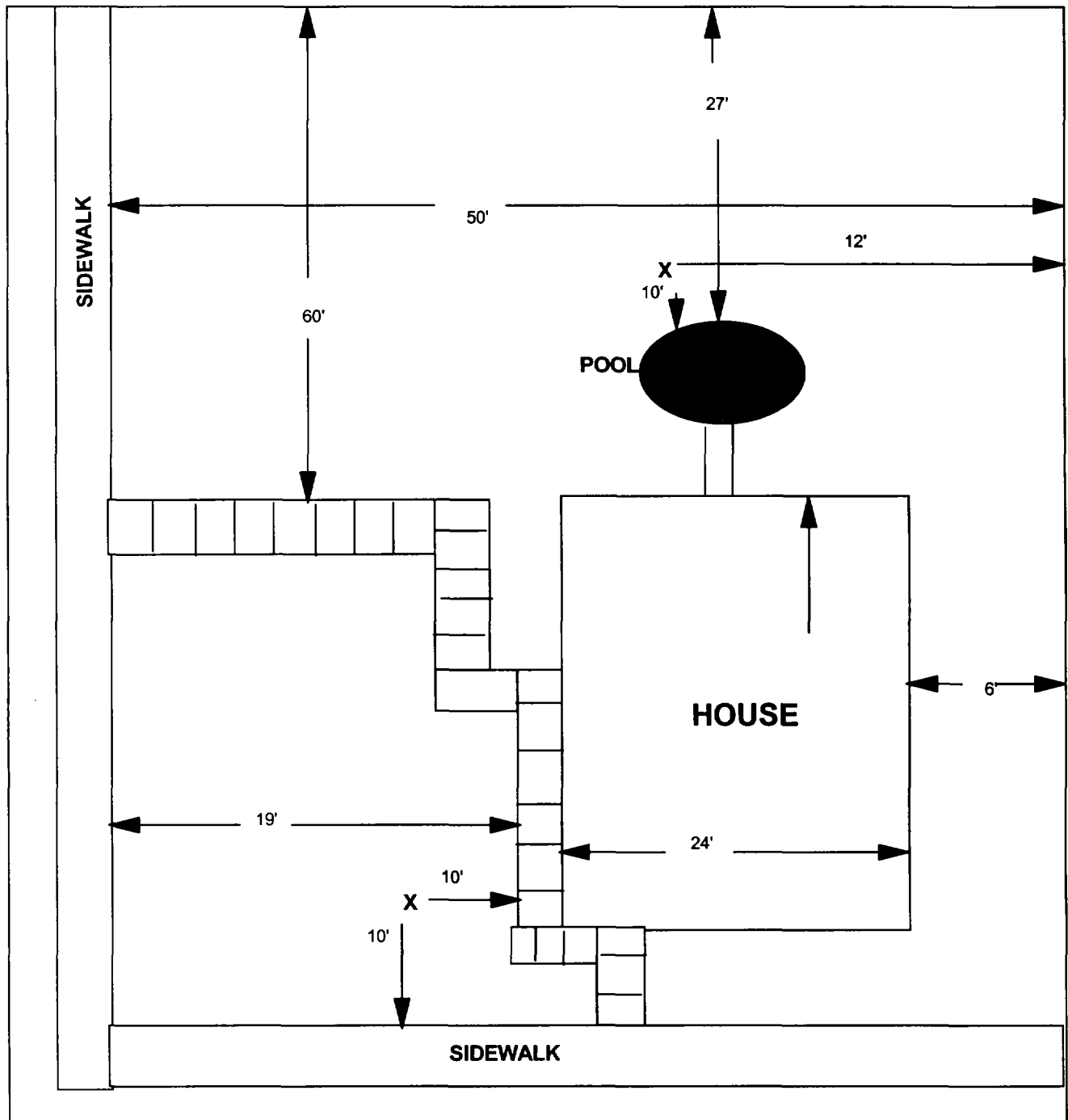
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

268 331

Depth
Excav.
(inch)

6



X = SAMPLE POINT

2103 BRYAN

**TOTAL
DIMENSIONS
112'X49'**

OHM
Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 8/14/98	Approved By:
Scale: NTS	Drawing No:

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1715 Chestnut

Action Date: 3/22/97

Loadout: 3/26/97

Restoration Begins: 3/27/97

Restoration Completed: 4/2/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 137.65 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Pedigo Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1715 Chestnut

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
178.95	5	47.74	73.09	14.7		283.5		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1715 Chestnut **598** **644**
 766 **721**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

311 **852**
634 **612**

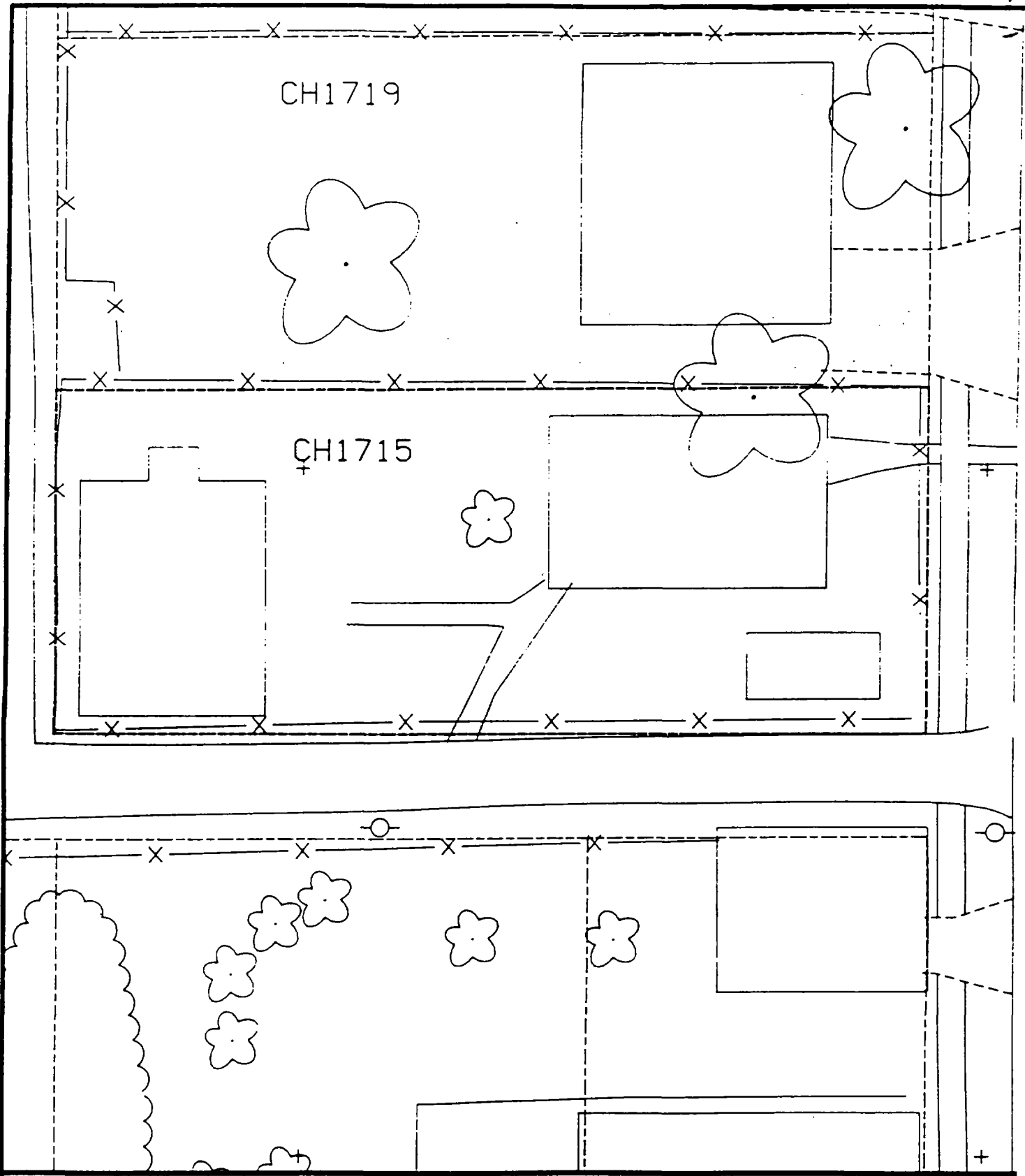
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

234 **2920**
1720 **1390**

Depth
Excav.
(inch)

12



Comments:

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MC114

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

1715 CHESTNUT ST.

Resident ID No.

CH1715

2

2

2

1718/20 Chestnut

Action Date: 9/9/97

Loadout: 9/11/97

Restoration Begins: 9/12/97

Restoration Completed: 10/21/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 161.02 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1718/20 Chestnut

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
209.33	9	70.63	16.98	34.77		120		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1718/20 Chesnut
 13 16
 16 21
 435 **943**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

13 56
 41 21
 275 **812**
 124 41

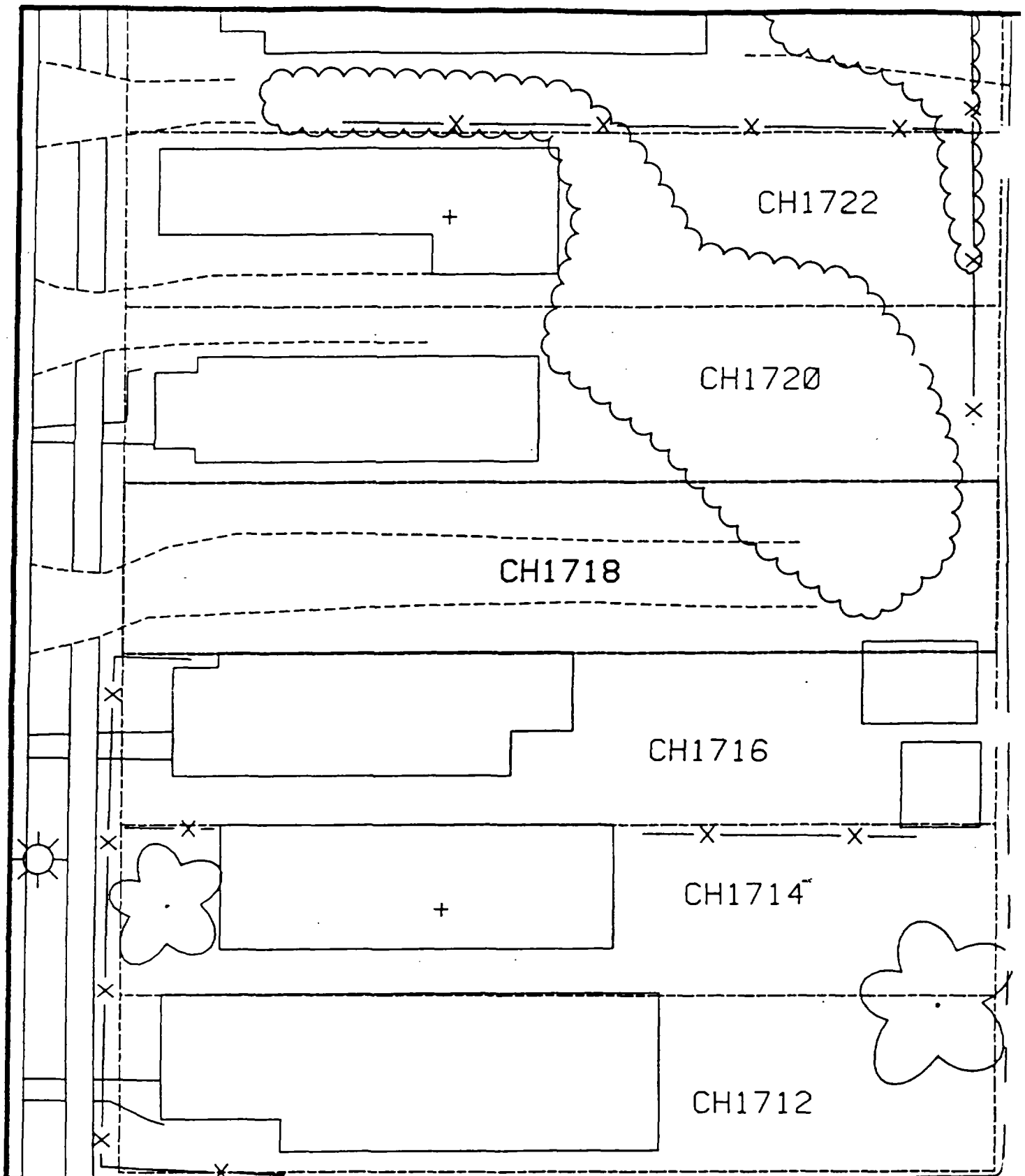
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

74 80
 53 114
 304 **546**
 105 **623**

Depth
Excav.
(inch)

12



Comments: _____



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCI'

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

1718 CHESTNUT ST.

Resident ID No.

CH1718

—

—

—

1723 Chestnut

Action Date: 10/27/97

Loadout: 10/29/97

Restoration Begins: 10/30/97

Restoration Completed: 11/12/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 218.25 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1723 Chestnut

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
283.73	16	97.44	28.15	14.7		1200		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1723 Chestnut	337	311	413
	1518	365	

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

371	357	392
771	162	
542	152	

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

422	341	256
250	296	

Depth
Excav.
(inch)

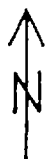
6

CH1731

CH1723

CH1719

Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION
NL/TARACORP SUPERFUND SITE
GRANITE CITY, IL

PROJECT NO.
89MCII4V

Woodward-Clyde Consultants



Engineering & sciences applied to the earth & its environment

DRN. BY:
CHKD. BY:

1723 CHESTNUT ST.

Resident ID No.
CH1723

1753 Chestnut

Action Date: 8/26/97

Loadout: 9/3/97

Restoration Begins: 9/3/97

Restoration Completed: 9/17/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 181.56 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*KABOTA

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

1753 Chestnut

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
236.03	9	47.52	149.3	13.95		477		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1753 Chestnut	615	375	479
	515	515	

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

644	318	538
580	580	

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

898	239	689
626	626	

Depth
Excav.
(inch)

12

VENUE

alt 24

70 paved chowee -
85%

B¹ - 20' north of house,
8' west of fence

B² - 10' west of house
14' north of fence

remove
tree

brick
cave

land
driv

CH1753

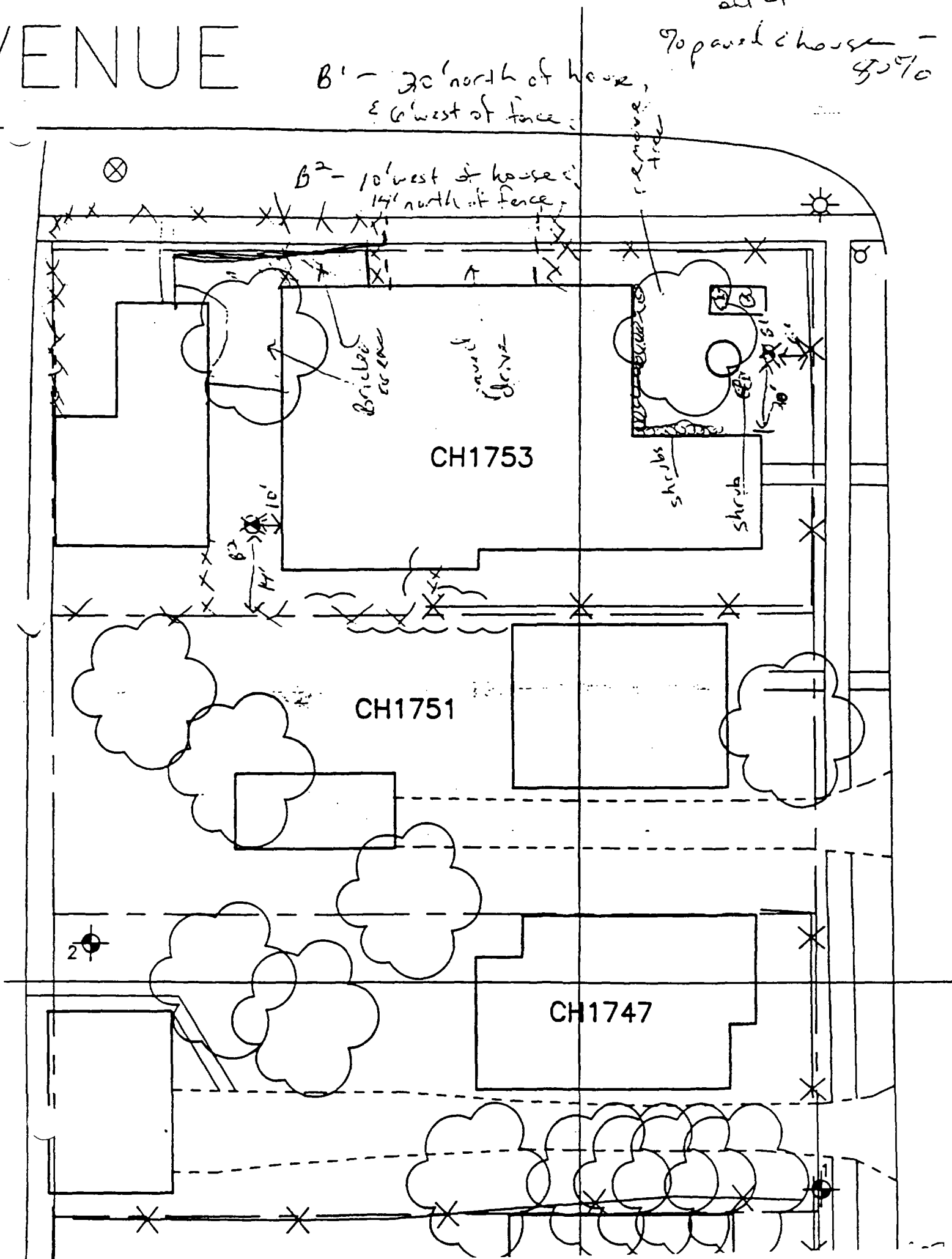
shrubs

shrubs

CH1751

CH1747

2



(

)

(

1929 Cleveland

Action Date: 4/14/97

Loadout: 4/16/97

Restoration Begins: 4/16/97

Restoration Completed: 5/9/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 126.25 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1929 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
164.13	1	64.82	83.9	29.15		189		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1929 Cleveland **594** **687** **591**
 422 487

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

313 318 **668**
 364

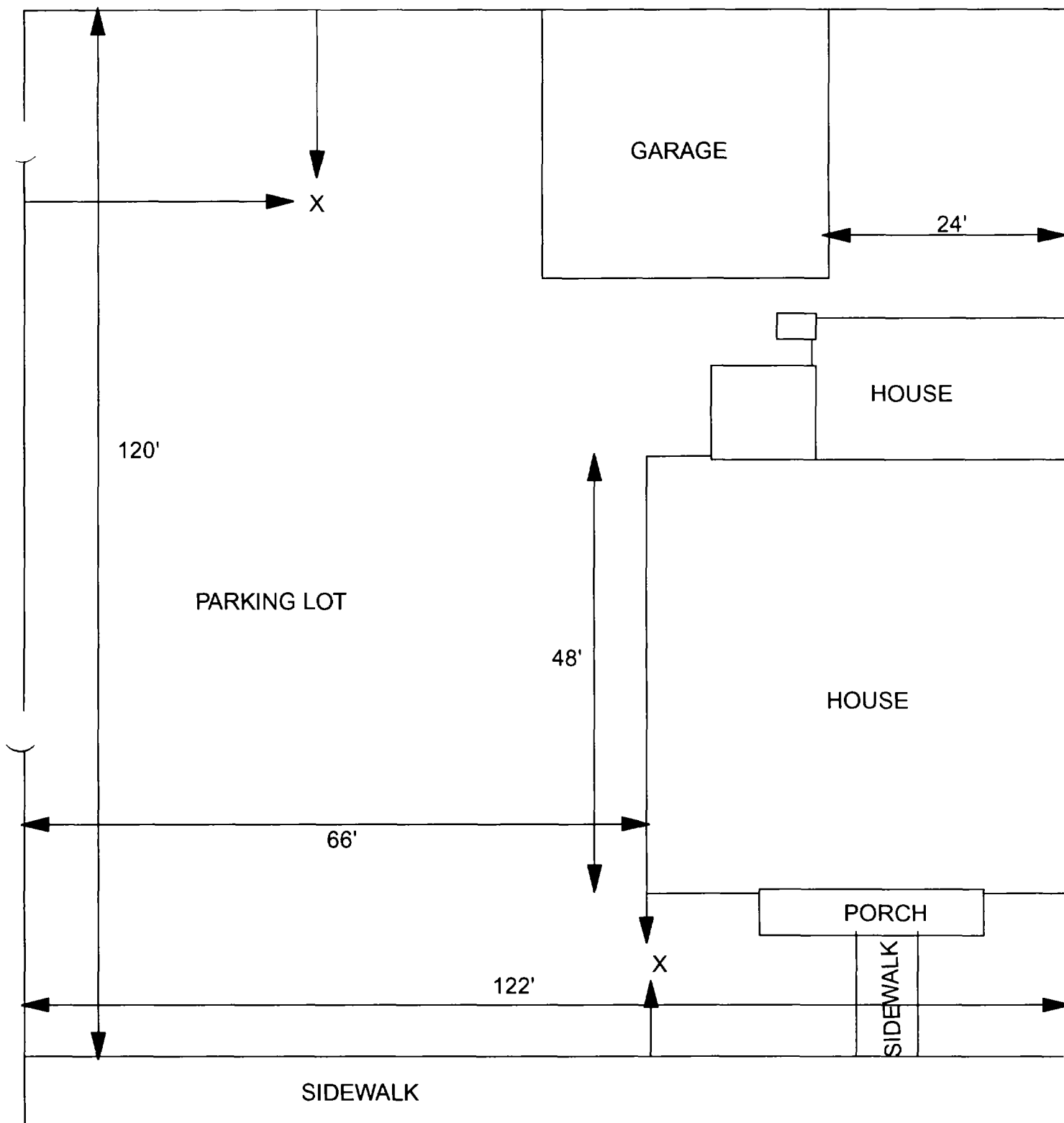
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.


146 149 **615**
561

Depth
Excav.
(inch)

12



X = SAMPLE POINT

1929 CLEVELAND 122' X 120'		 OHM Corporation Findlay, Ohio	
Drawn By:	EDJ	Checked By:	
Date:	7/28/98	Approved By:	
Scale:	NTS	Drawing No:	

1935 Cleveland

Action Date: 7/30/97

✓ Loadout: 8/1/97

Restoration Begins: 8/5/97

Restoration Completed: 8/27/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 75.34 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*Kabota

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

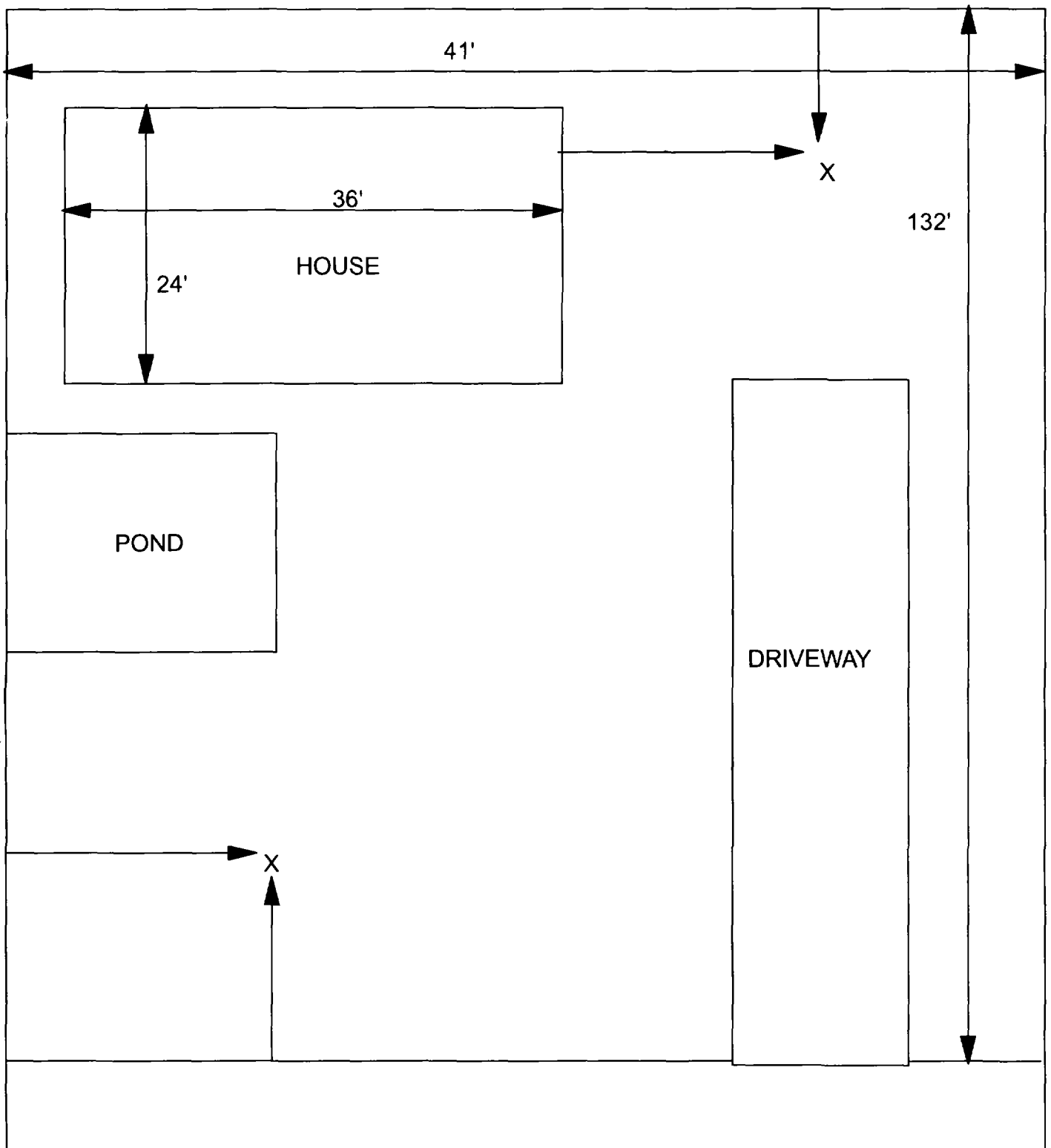
QUANTITY SUMMARY FOR

1935 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
97.95	4	53	27.3			240		

**Sampling Analysis
Project #19531**

Street/Number Address	0 - 3" Front and Back			3-6" Front and Back			6-12" Front and Back			Depth Excav. (inch)
	A	A	A	B	B	B	C	C	C	
	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	
1935 Cleveland	348	281		390	360		453	348		12
	413	109		557	378		144	526		



X = SAMPLE POINT

1935
CLEVELAND

41' X 132'

OHM
Corporation
Findlay, Ohio

Drawn By:	EDJ	Checked By:
Date:	7/29/98	Approved By:
Scale:	NTS	Drawing No:

1939 Cleveland

Action Date: 8/1/97

Loadout: 8/6/97

Restoration Begins: 8/6/97

Restoration Completed: 8/27/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 122.98 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*BOMAG

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

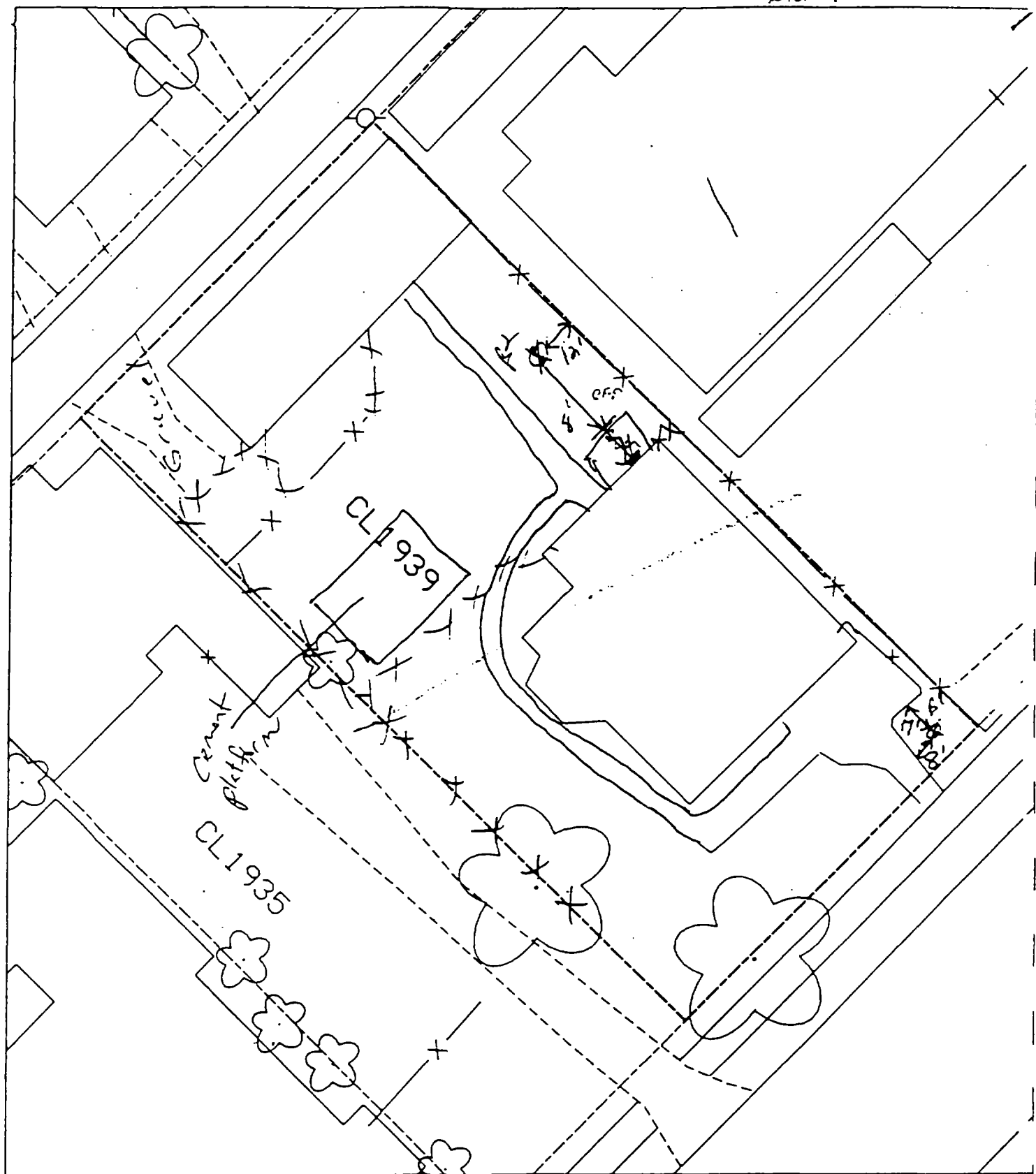
QUANTITY SUMMARY FOR

1939 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
159.88	6	42.78				510		

**Sampling Analysis
Project #19531**

Street/Number Address	0 - 3" Front and Back			3-6" Front and Back			6-12" Front and Back			Depth Excav. (inch)
	A	A	A	B	B	B	C	C	C	
	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	PPM No.	
1939 Cleveland	1070 514	1050	552	369 497	940	391	58 1650	646	43	12



B1 - 8' east of sidewalk & 7' south of sidewalk.

To paved + house -

B2 - 12' west of fence & 8' north of cement platform

* Appears that front yard was tilled.

-
-

-

-
-

2006 Cleveland

Action Date: 11/4/97

Loadout: 11/12/97

Restoration Begins: 11/12/97

Restoration Completed: 11/17/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 89.47 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Schneider-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2006 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
116.32	7	47.52		12.85		300		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

Depth
Excav.
(inch)

2006 Cleveland

685

436

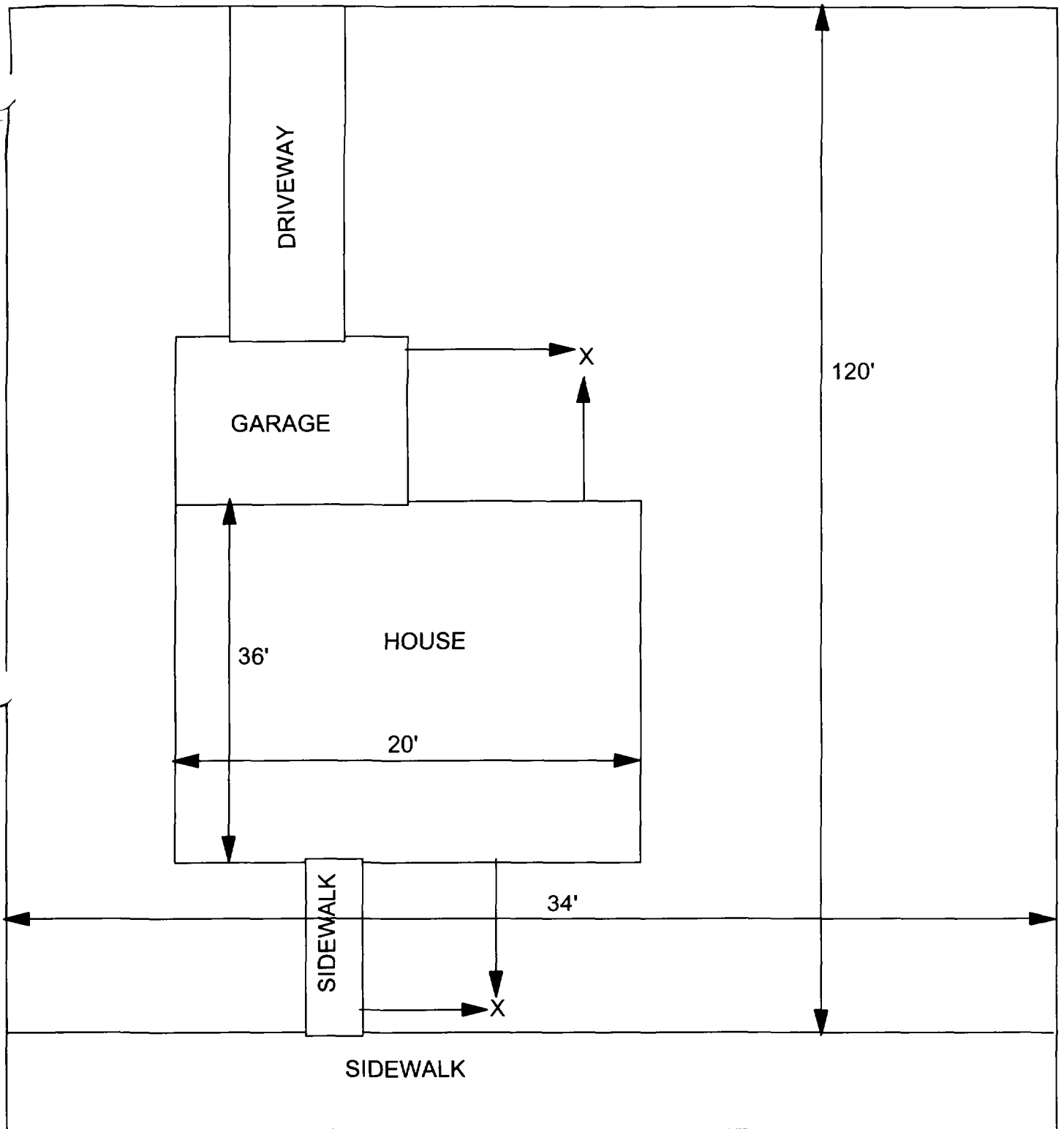
326

398

611

816

12



X = SAMPLE POINT

2006 CLEVELAND
34' X 120'

OHM CORPORATION
Findlay, Ohio

Drawn By **EDJ** Checked By
Date **8/25/98** Approved By
Scale: **NTS** Drawing No

1

2

3

2026 Cleveland

Action Date: 10/6/97

Loadout: 10/10/97

Restoration Begins: 10/10/97

Restoration Completed: 10/22/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 75.70 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

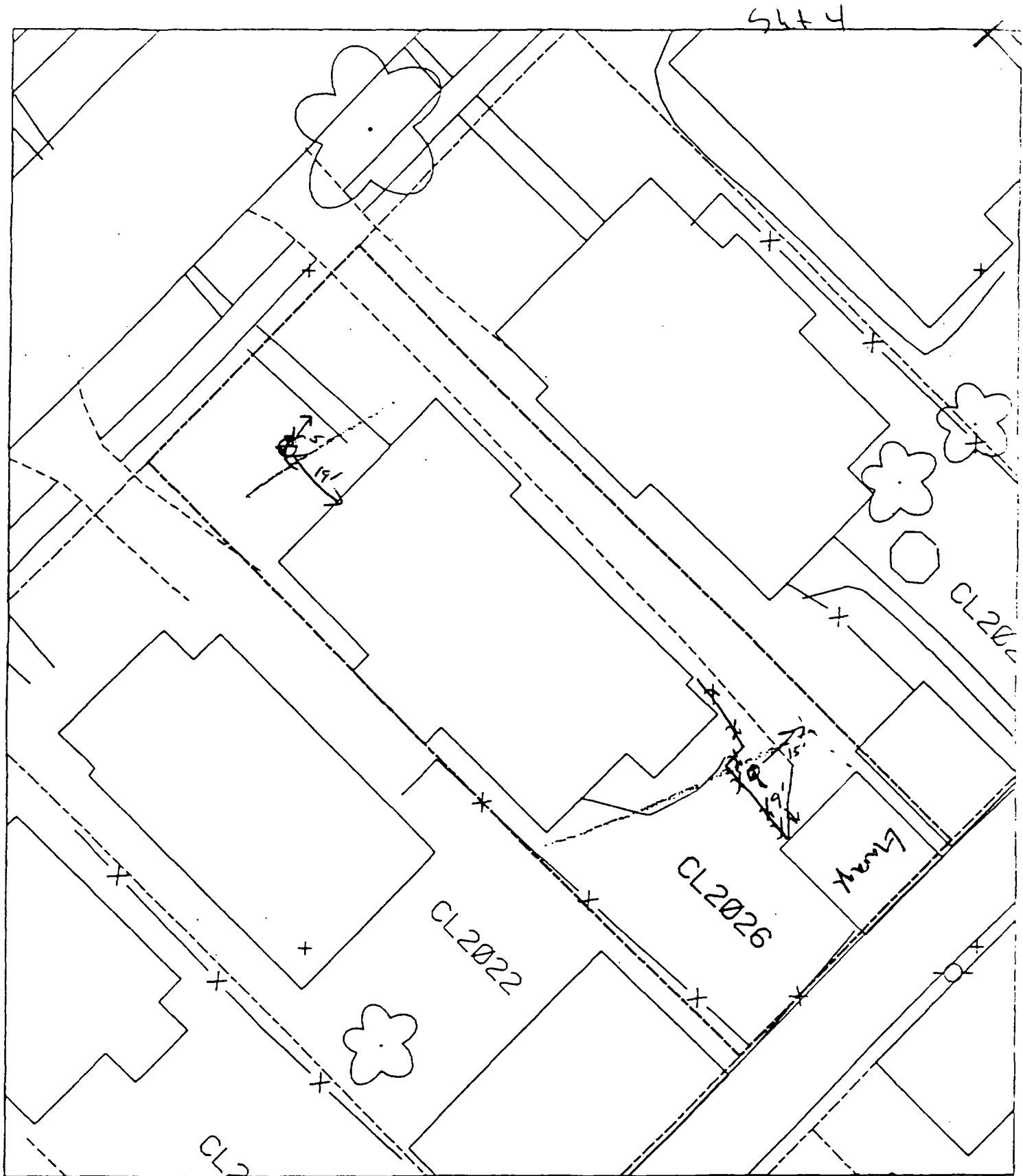
QUANTITY SUMMARY FOR

2026 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
98.41	5	44.06		15.05		420		

**Sampling Analysis
Project #19531**

Street/Number Address	0 - 3" Front and Back			3-6" Front and Back			6-12" Front and Back			Depth Excav. (inch)
	A	A	A	B	B	B	C	C	C	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
	No.	No.	No.	No.	No.	No.	No.	No.	No.	
2026 Cleveland	354	1780		536	1610		192	64		6



BI 5' S of front walk
19' W of house

House & Pavement = 6'

B2 9' E to garage
15' N to extension of garage

alt

2028 Cleveland

Action Date: 10/6/97

Loadout: 10/9/97

Restoration Begins: 10/9/97

Restoration Completed: 10/22/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 111.71 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 1953I
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2028 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
145.31	6	29.99	15.9			420		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2028 Cleveland **662** **1780**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

644 **2340**

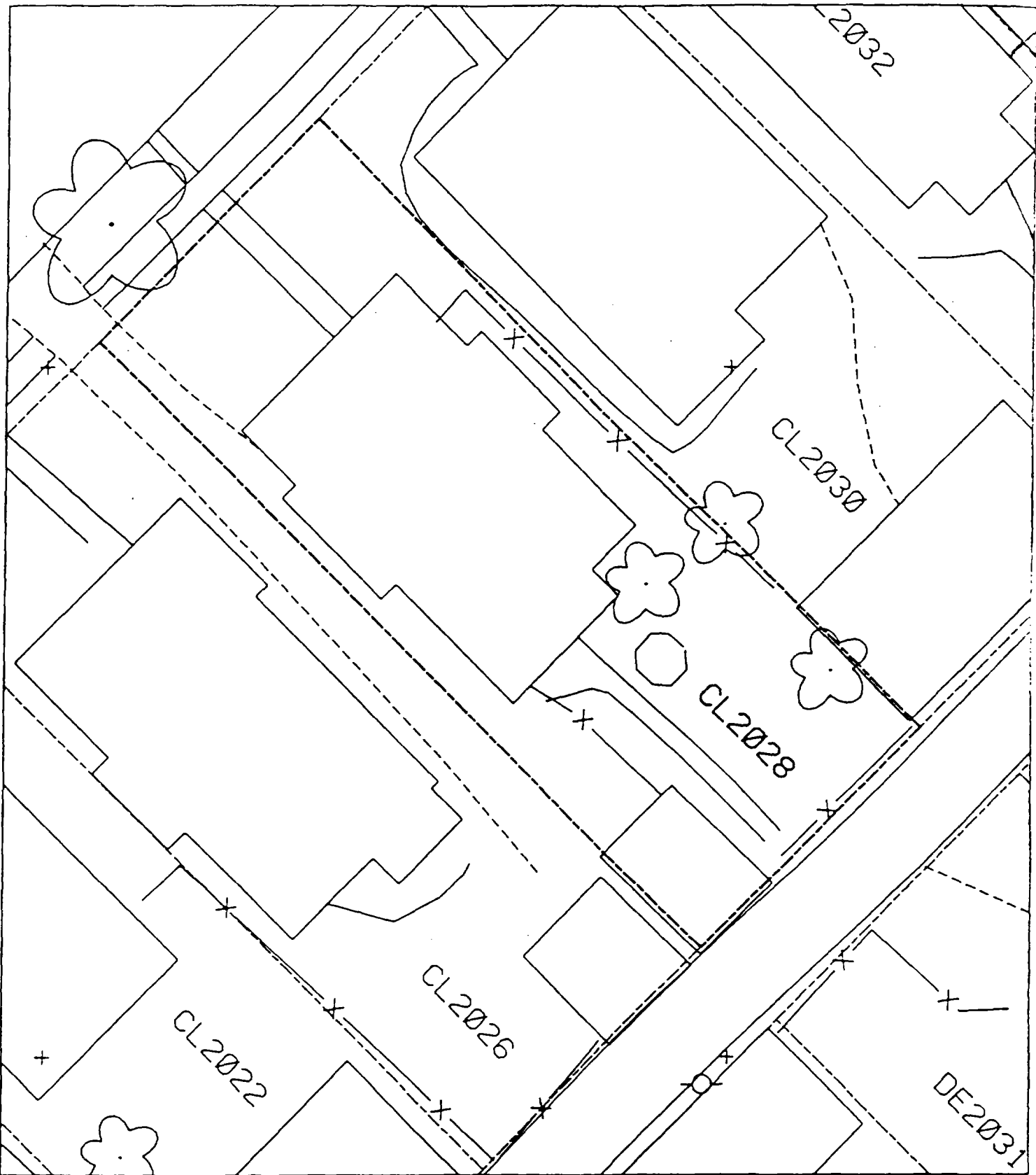
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

67 **673**
85 **1241**

Depth
Excav.
(inch)

12



2029 Cleveland

Action Date: 4/28/97

— Loadout: 4/29/97

Restoration Begins: 4/30/97

Restoration Completed: 10/22/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 74.27 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2029 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
125.54	2	108.91	14.75			480		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2029 Cleveland **995** 194
 686 485

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

535 104
 447 **519**

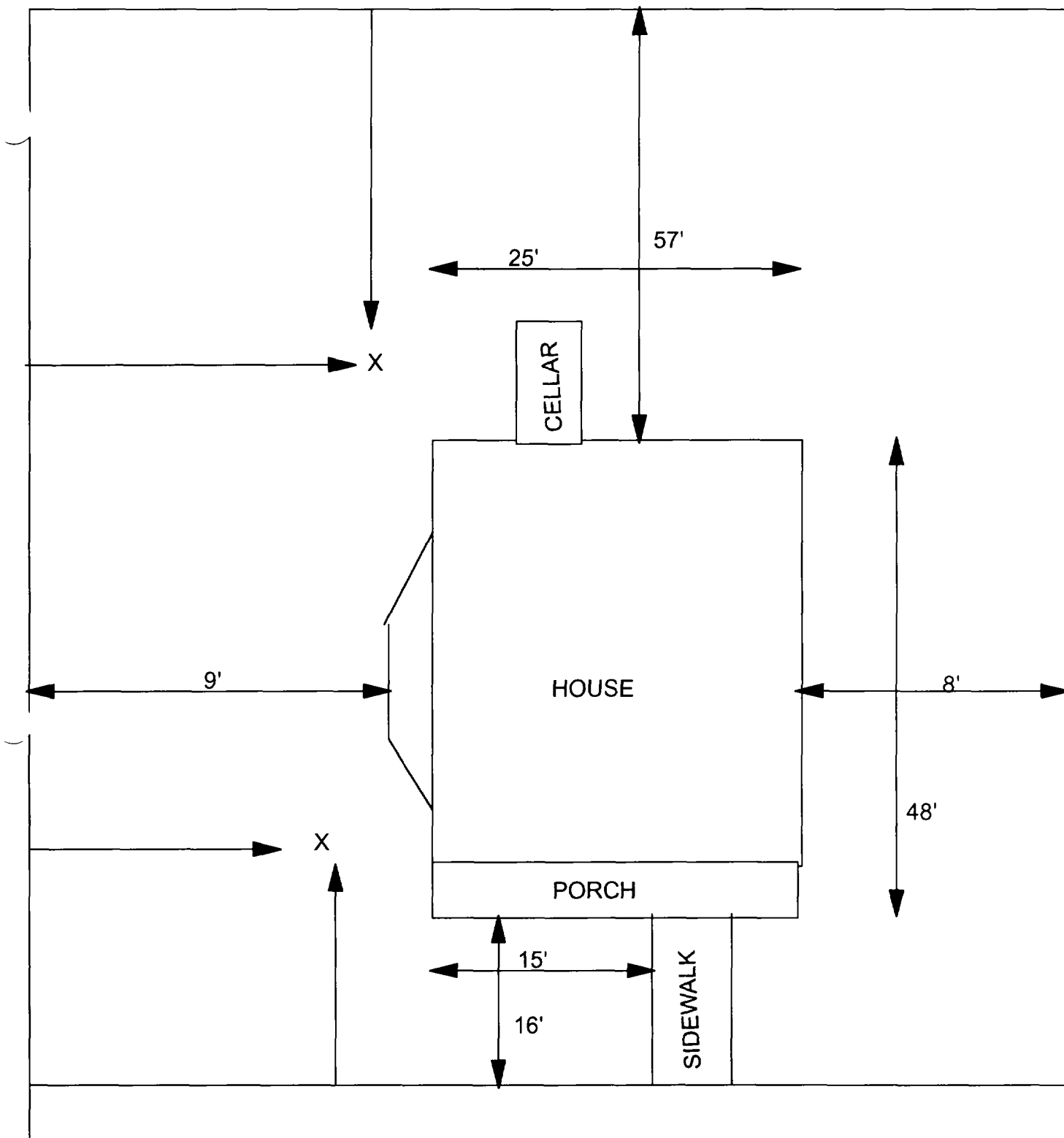
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

155 32

Depth
Excav.
(inch)

6



X = SAMPLE POINT

2029 CLEVELAND
42' X 121'

OHM 
Corporation
Findlay Ohio

Drawn By: **EDJ** Checked By:

Date: **7/28/98** Approved By:

Scale: **NTS** Drawing No:

2055 Cleveland

Action Date: 8/18/97

Loadout: 8/20/97

Restoration Begins: 8/22/97

Restoration Completed: 8/28/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 47.63 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*KABOTA

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Grantham-trucking

*Emerald-turf farm

**OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

2055 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
61.92		50.79				320		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2055 Cleveland 340 **715**
 1671 212

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

235 411

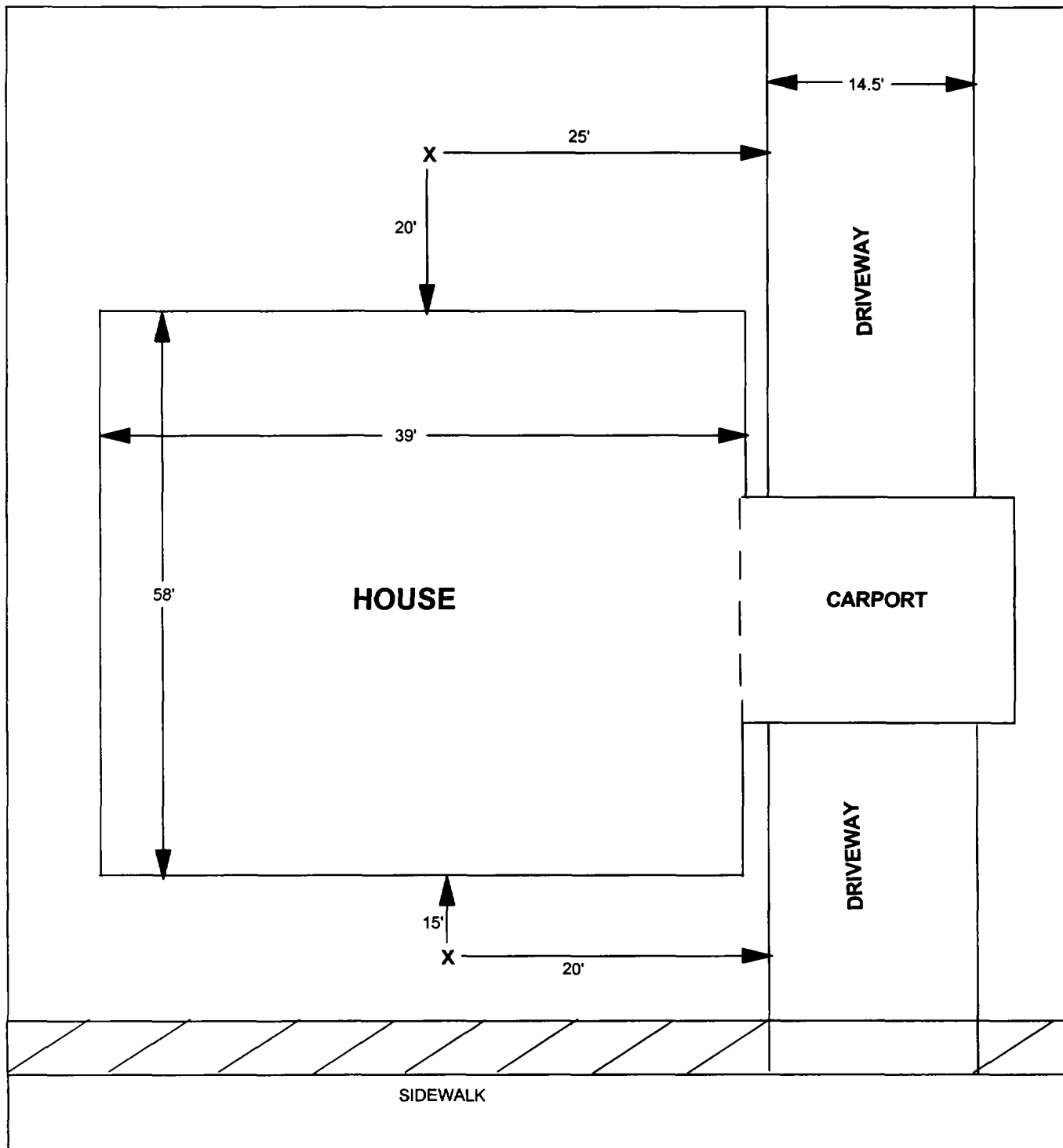
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

289 194

Depth
Excav.
(inch)

3



X = SAMPLE POINT

2055 CLEVELAND

**TOTAL
DIMENSIONS
132'X54'**

OHM 
Corporation
Findlay, Ohio

Drawn By: **JG** Checked By:
Date: **8/19/98** Approved By:
Scale: **NTS** Drawing No:

2057 Cleveland

Action Date: 8/20/97

Loadout: 8/20/97

Restoration Begins: 8/22/97

Restoration Completed: 9/10/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 66.81 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2057 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
86.86		66.95	34.55			420		

Sampling Analysis
Project #19531

0 - 3" Front and Back			
	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.
2057 Cleveland	677	552	

3 - 6" Front and Back		
B	B	B
PPM	PPM	PPM
No.	No.	No.
286	420	

6 - 12" Front and Back		
C	C	C
PPM	PPM	PPM
No.	No.	No.
100	203	

Depth
Excav.
(inch)
6

2056/58 Cleveland

Action Date: 9/30/97

Loadout: 10/1/97

Restoration Begins: 10/2/97

Restoration Completed: 10/21/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 46.36 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*17-KW

*X331

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Emerald Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2056/58 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
60.28	3			12.32		180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2056 Cleveland 386 **724**
 464 **521**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

309 **571**
 174 **559**

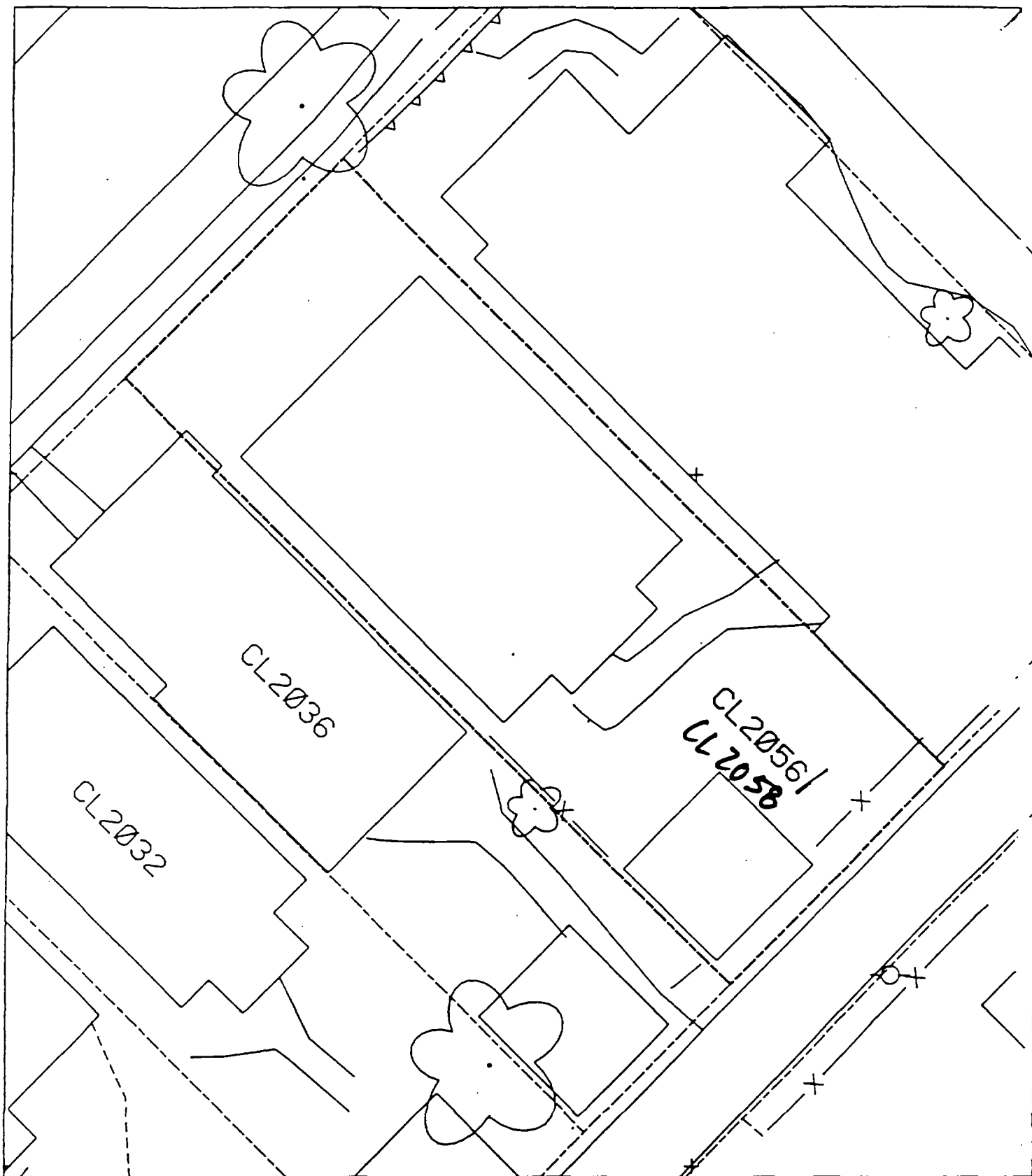
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

59 **964**
 77 186
 106 78

Depth
Excav.
(inch)

6



2100 Cleveland

Action Date: 9/17/97

Loadout: 9/18/97

Restoration Begins: 9/19/97

Restoration Completed: 10/13/97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 123.04 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17-KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2100 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
159.96	5	55.38	34.27	19.11		180		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2100 Cleveland

1327

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

333

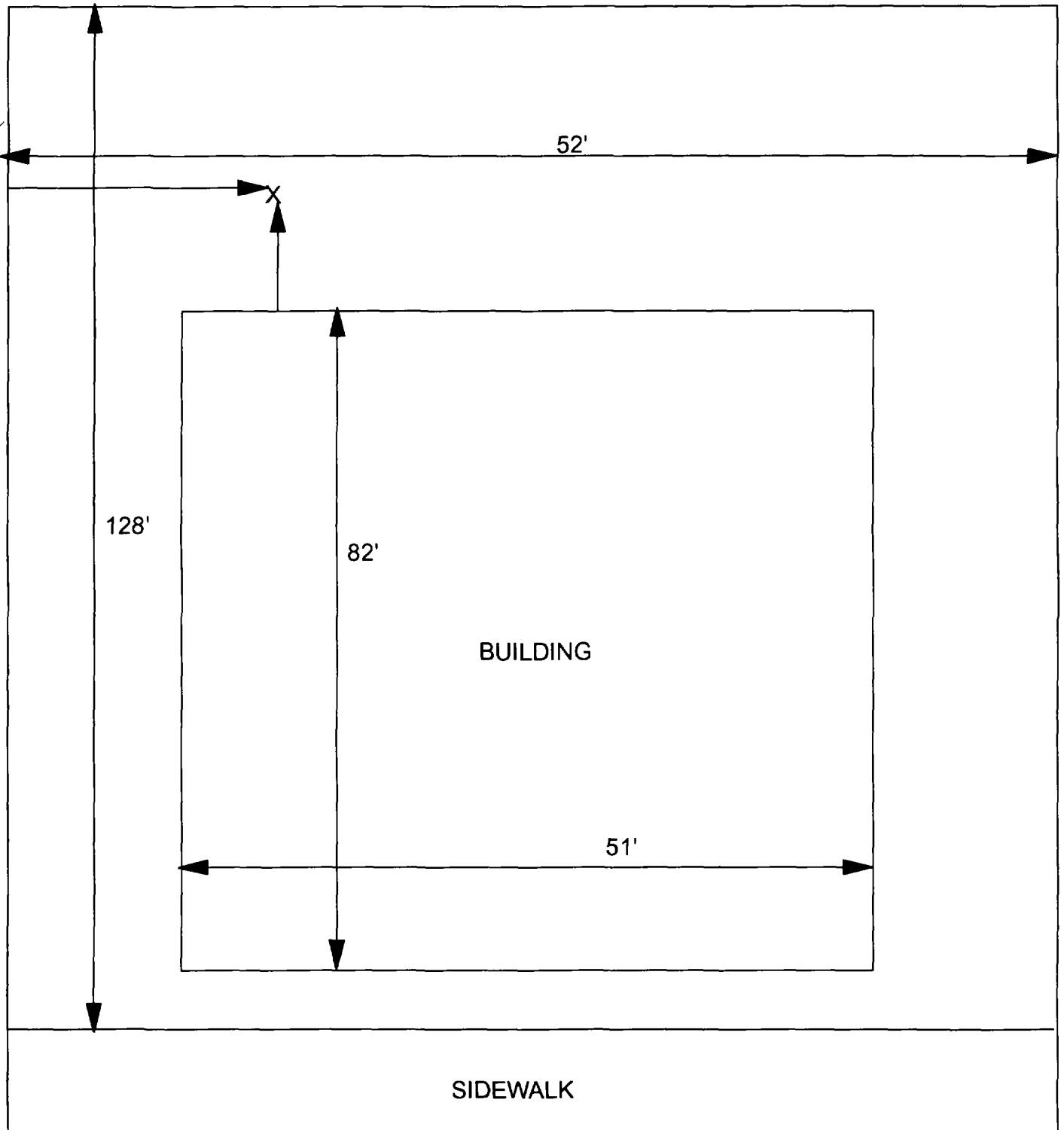
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

610

Depth
Excav.
(inch)

12



X = SAMPLE POINT

2100
CLEVELAND

52' X 128'

OHM
Corporation
Findlay, Ohio

Drawn By: EDJ

Date: 7/29/98

Scale: NTS

Checked By:

Approved By:

Drawing No:

2110 Cleveland

Action Date: 4/7/98

Loadout: 4/8/98

Restoration Begins: 4/9/98

Restoration Completed: 4/18/98

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 69.46 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM

*X331

*17KW

*Subcontractors:

*WMI-landfill

*B. Garcia-trucking

*Granthum-trucking

*Schneider Turf Farm

OHM CORPORATION
PROJECT 19531
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2110 Cleveland

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
90.3	11					540		

Sampling Analysis
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

2110 Cleveland 353 **515**
 403 446

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

297 437

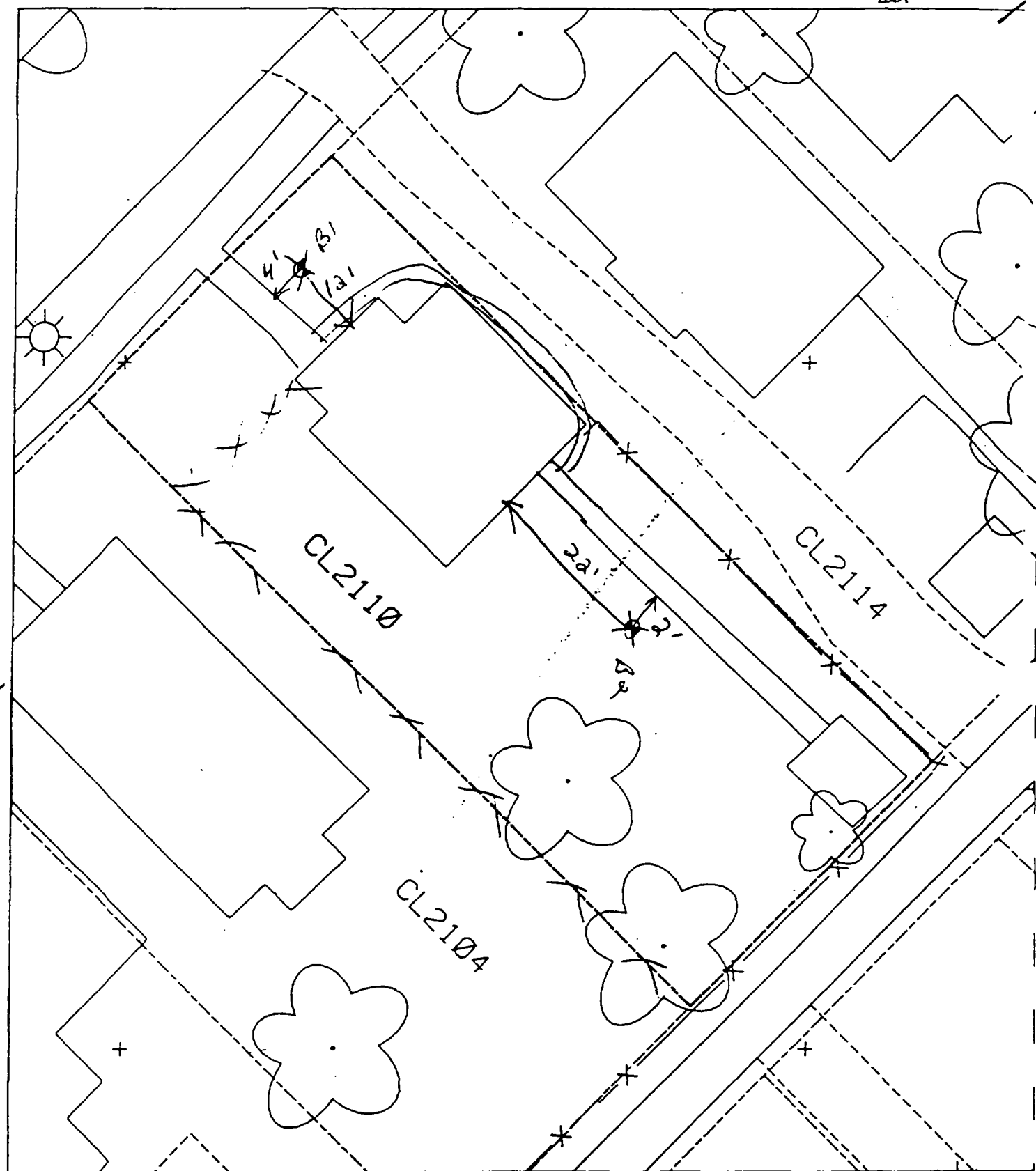
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

91 272

Depth
Excav.
(inch)

3



B¹ - 12' north of house; 4' east of sidewalk.

To paved 359'

B² - 22' south of house; 2' west of sidewalk.

